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CHECKLIST

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Checklist of Chalcidoidea and Mymarommatoidea (Hymenoptera) of Canada, Alaska and Greenland

John T. Huber[1], Andrew M. R. Bennett[2], Gary A. P. Gibson[3], Y. Miles Zhang[4], D. Christopher Darling[5]

1 *Natural Resources Canada c/o Canadian National Collection of Insects, Arachnids and Nematodes, K.W. Neatby Bldg., 960 Carling Avenue, Ottawa, Ontario, K1A 0C6, Canada* **2** *Agriculture and Agri-Food Canada, Canadian National Collection of Insects, Arachnids and Nematodes, K.W. Neatby Bldg., 960 Carling Avenue, Ottawa, Ontario, K1A 0C6, Canada* **3** *Honorary Research Associate, Agriculture and Agri-Food Canada, Canadian National Collection of Insects, Arachnids and Nematodes, K.W. Neatby Bldg., 960 Carling Avenue, Ottawa, Ontario, K1A 0C6, Canada* **4** *Systematic Entomology Laboratory, USDA, c/o U.S. National Museum of Natural History, 10th & Constitution Ave., NW, Washington DC, 20560, USA* **5** *Department of Natural History, Royal Ontario Museum, 100 Queen's Park, Toronto, ON, M5S 2C6, Canada*

Corresponding author: John T. Huber (john.huber2@canada.ca)

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Abstract

A checklist of 1246 extant, described species, classified in 346 genera in 18 families of Chalcidoidea (Hymenoptera) are reported from Canada, Alaska (USA) and Greenland (Denmark) based on examined specimens and published records up to December 31, 2020. Of the reported species, 1214 (in 345 genera in 18 families) are listed from Canada, 113 (in 58 genera in 10 families) from Alaska, and 26 (in 22 genera in 4 families) from Greenland. The list includes 235 new species records and 53 new generic records for Canada (no new family records). Forty-one new species records, 22 new generic records and the families Chalcididae and Eurytomidae are newly reported for Alaska. No new records were found for Greenland. Two species (in one genus) of Mymarommatoidea are reported from Canada. For each species in Canada, distribution is tabulated by province or territory, except the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador. The inclusion of known species from Alaska and Greenland results in the first comprehensive distributional checklist for

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the entire northern part of the Nearctic region. A brief review of the history of cataloguing Chalcidoidea in North America and a comparison of this checklist with four published checklists from the Palaearctic region is provided.

Keywords
Microhymenoptera, Nearctic region, northern North America, species distributions

Introduction

The superfamily Chalcidoidea is one of the most diverse groups of organisms on the planet (Figs 2–13). More than 22,700 species are described (Huber 2017), but Heraty et al. (2013) estimated that there might be up to 500,000 species worldwide. Most chalcidoids, for which the biology is known, are parasitoids, having been reared from a wide variety (12 orders) of Insecta, and also 2 orders of Arachnida and the family Anguinidae (Nematoda) (Gibson 1993). A few are predators and some are phytophagous. For more comprehensive information on the biology of Chalcidoidea see, e.g., Clausen (1940), Askew (1971), Bendel-Janssen (1977), Gordh (1979a), Gauld and Bolton (1988), Hanson and Gauld (1995), Noyes (2019). In addition to Chalcidoidea, the small superfamily Mymarommatoidea is also included in this paper because it is generally considered to be the sister group to Chalcidoidea (Gibson et al. 2007; Huber et al. 2008; Heraty et al. 2013). The biology of Mymarommatoidea is unknown, except that one has been reared from a bracket fungus and most are collected in shady, moist areas such as deciduous forests (Huber et al. 2008).

The first published cataloguing efforts for Chalcidoidea of the Nearctic region began with Peck (1951), with supplements by Burks (1958, 1967b). Peck (1963) catalogued the literature for each species up to and including 1958. The families comprising the Chalcidoidea section in Krombein et al. (1979) were catalogued by B. Burks, G. Gordh, and E. Grissell, former chalcidologists at United States National Museum of Natural History, Washington, DC (USNM), and included the relevant taxonomic literature to the end of 1972 or 1976 depending on the family. These catalogues also included species and records from Greenland. In his acclaimed Universal Chalcidoidea Database (UCD) for world Chalcidoidea, Noyes (2019) included the data from these previous catalogues. His database is now the only comprehensive compilation of taxonomic, biological, distributional and literature source information for world Chalcidoidea for the past 40–50 years, though it has not been updated since March 2019. Among other searches, it can be used to generate numbers and lists of Chalcidoidea names for any biogeographical region or country, and political subdivision within larger countries. Building on the information contained in the UCD, it is the purpose of this paper to provide the first checklist of the Chalcidoidea and Mymarommatoidea of Canada, Alaska and Greenland incorporating previously published, substantiated records as well as new records based on authoritatively identified specimens.

Methods

Sources of data

All records are substantiated by evidence, either collection- or literature-based. The vast majority of records in this checklist are based on specimens in the Canadian National Collection of Insects, Arachnids and Nematodes, Ottawa (**CNC**). Additional distributional records, for which specimens could not be examined, were obtained by mining previous literature. Because of the relatively poor knowledge of Chalcidoidea, regional collections were generally not consulted because of the immense amount of work required to identify and curate most specimens in these collections. However, a few records were based on examination of specimens (or their photographs) deposited in other collections, as follows: Royal Alberta Museum, Edmonton, Alberta, Canada (**PMAE**: M. Buck); Royal Ontario Museum, Toronto, Ontario, Canada (**ROM**: C. Darling); Royal Saskatchewan Museum, Regina, Saskatchewan, Canada (**RSKM**: C. Sheffield), University of Alaska, Fairbanks, Alaska, USA (**UAM**: D. Sikes). Whereas most records are Canadian, records from Alaska (USA), Greenland (Denmark) and the 242 km^2 French Overseas Collectivity of Saint Pierre and Miquelon islands located 25 km from the southern coast of Newfoundland are also included so as to provide complete coverage of the northern part of the Nearctic region. Most of the Alaska species records (74 of 113) were based on specimens in collections (CNC and UAM). The remainder were literature records, primarily from the chapters in Krombein et al. (1979), which mostly catalogued specimens in the USNM. The Greenland records were taken almost exclusively from the relevant chapters in Böcher et al. (2015) with some records substantiated by specimens in the CNC. The single species recorded from Saint Pierre and Miquelon was obtained from the TAXREF database (Gargominy et al. 2020) managed by the Muséum national d'Histoire naturelle, Paris, but specimens were not examined and this species is only discussed in the text, not included in Table 2. Because of relatively poor sampling of the chalcidoids of these last three regions, it is likely that the current survey is not as complete for them as it is for Canada. All records published up to December 31, 2020 were evaluated for the current checklist.

We exclude from the checklist the very few fossil species of Chalcidoidea described from Canadian Cretaceous amber; all are now classified in Mymaridae (Poinar and Huber 2011) and Rotoitidae (Gumovsky et al. 2018). Further, species introduced into Canada from other countries for biological control against introduced pests are included only if there is irrefutable evidence that they became established after release. Often, no follow up surveys were undertaken to determine if the species released had established and so their continued presence is unsubstantiated. Because there is no single compilation of intentionally released species, one must search for their names in the five volumes on biological control in Canada: McLeod et al. (1962), Kelleher et al. (1971), Kelleher and Hume (1984), Mason and Huber (2002) and Mason and Gillespie (2012). At least 18 species are or were commercially produced in Canada (Mason and Huber 2002), 14 of which are included in the checklist. The other four species, *Aphytis melinus* DeBach, *Eretmocerus californicus* Howard, *Metaphycus helvolus* (Compere) and

Trichogrammatoidea bactrae Nagaraja, occur in the southern states of USA or outside the Nearctic region on pests of crops not, or not extensively, grown commercially in Canada so are most unlikely to be found there. Some of the commercially produced species may establish more or less permanent populations in areas where they are released, often in large numbers at intervals (usually in greenhouses) or may occur naturally outside the facilities that produce them. We do not include any records in Table 2 that are solely known from websites such as iNaturalist, BugGuide or online databases of specimens in museums because for Chalcidoidea, examination of specimens with reference to authoritatively identified material is generally required. Finally, we only include described species, not undescribed taxa or specimens identified only to genus.

Presentation of data

Distributions of taxa are indicated using acronyms of 18, mostly political, regions of northern (mostly north of 45° latitude) North America. For practical purposes the province of Newfoundland and Labrador is divided into the island of Newfoundland and the region of Labrador on mainland Canada. The acronyms used for the regions are: **CAN** = Canada, **AK** = Alaska (USA), **GL** = Greenland, **SPM** = Saint Pierre and Miquelon. Within Canada, the regions are: **AB** = Alberta, **BC** = British Columbia, **LB** = Labrador, **MB** = Manitoba, **NB** = New Brunswick, **NF** = Newfoundland island, **NS** = Nova Scotia, **NT** = Northwest Territories, **NU** = Nunavut, **ON** = Ontario, **PE** = Prince Edward Island, **QC** = Quebec, **SK** = Saskatchewan, **YT** = Yukon Territory. All regions are shown in Fig. 1. The distributional data are presented in two ways. Table 1 is a summary of the numbers of described, recorded species of Chalcidoidea and Mymarommatoidea in Canada, Alaska and Greenland (not including Saint Pierre and Miquelon) totalled for each family for all 17 regions. Table 2 is the species checklist arranged alphabetically by family for the same 17 regions. It contains three types of distributional records: 1) a published record for which we have examined a specimen; 2) a new (unpublished) record for which we have examined a specimen; and 3) a published record for which we have not examined a specimen, but is well-substantiated (see Assessing credibility of records section in Bennett 2021a). The different types of records are indicated by different fonts and colours in Table 2 (see Table heading). The absence of a provincial or territorial acronym for a species recorded from Canada indicates that the taxon was recorded from Canada but no province was specified. Literature references (shown in the far right column of Table 2) are only noted for previously published records for which no specimens were examined. Authors' names that have been spelled in different ways, such as with or without diacritic marks, are spelled in only one way for consistency, for example, Förster, not Foerster. Literature references for published records for which specimens were examined are not provided as this would dramatically increase the size of the study and make it practically impossible to present the distributional data in a table format. We do provide an extensive, but by no means comprehensive, list of references for higher taxa, e.g., revisions of genera and regional checklists, which are cited directly under the higher taxon names in Table 2. Our list is not a catalogue so synonyms and homonyms are generally excluded;

these can be found in UCD. In addition to the published checklist, the data presented in Table 2 have been added to Canadensys (https://data.canadensys.net/ipt/resource?r=aafc-hymenoptera-canada-ak-gl) and are also registered on GBIF (Bennett 2021b).

Classification

The family classification in Chalcidoidea has been extremely volatile, varying from 1 to 23 recognized families (see Grissell and Schauff 1997), with changes even in the last few years and more changes likely in the future. We mainly follow the family classification in Heraty et al. (2013) in which 22 families were recognized, except we also recognize the family Megastigmidae, which was raised from subfamily status within Torymidae by Janšta et al. (2018). Five extant families, the Agaonidae, Cynipencyrtidae, Eriaporidae, Rotoitidae, and Tanaostigmatidae do not occur in northern North America. Species of Agaonidae are associated exclusively with figs (*Ficus* spp.), which do not naturally occur in Canada, Cynipencyrtidae consists of one genus and species in Asia, Eriaporidae occur only in the Old World, the two described species of Rotoitidae occur only in Chile and New Zealand, and species of Tanaostigmatidae occur in the New World only as far north as the southern states of USA.

Results and discussion

A total of 1246 described, extant species of Chalcidoidea in 346 genera in 18 families are listed for Canada, Alaska and Greenland (Tables 1 and 2). Of these, 1214 species, classified in 345 genera in 18 families, are listed from Canada. To place the current number of species in perspective, it represents a 149% increase from the 500 species reported in Danks (1979). In terms of relative species richness within Hymenoptera, Chalcidoidea species comprise 13.5% of the 9250 species recorded in northern North America and 13.6% of the 8933 recorded in Canada (Bennett 2021a). Yet in comparison to other areas of the world the number of Chalcidoidea is relatively low. Gijswit (2003) recorded 1085 species of Chalcidoidea for The Netherlands, Weber et al. (2018) 1964 species (and likely about 380 more) for Germany, Dale-Skey et al. (2016) 1754 species for Great Britain and Ireland, and Belokobylskij et al. (2019) 2307 species for Russia, other countries that have recently published checklists for Chalcidoidea. Britain and Ireland together (313,100 km^2) are only about 3.2% the size of Canada (9.985 million km^2), but despite this, the 1754 species recorded from there is almost 1.5 times greater than all the species we record from Canada. Canada and Russia have a much greater variety of ecozones and habitats than does Britain and Ireland, which have little or no tundra, temperate rain forest, grassland or semi-desert. While the colder climate over much of Canada contributes to the apparently depauperate fauna this is not the main reason. Lack of collecting as well as lack of study of what has been collected, in groups other than those of research interest to the few taxonomists who study Chalcidoidea in Canada, is probably the main factor contributing to poor knowledge of species and their distributions.

Table 1. Described, recorded species of Chalcidoidea and Mymarommatoidea in Canada, Alaska and Greenland totalled for each taxon and in each region. See Methods for acronyms used for the regions and Fig. 1 for their locations. Regions are arranged generally north to south and west to east.

Taxon	CAN+ AK+GL	CAN(New)	AK	YT	NT	NU	BC	AB	SK	MB	ON	QC	NB	PE	NS	LB	NF	GL
Aphelinidae	**38**	38 (12)	0	0	0	0	11	9	6	5	27	20	8	1	8	0	1	0
Azotidae	**1**	1 (0)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Chalcididae	**39**	39 (7)	3	2	1	0	13	9	14	16	29	17	5	1	2	0	1	0
Encyrtidae	**110**	100 (23)	4	2	3	1	33	23	16	14	69	35	23	5	22	1	5	10
Eucharitidae	**8**	8 (0)	1	1	1	0	4	7	3	2	6	3	3	2	1	0	0	0
Eulophidae	**379**	374 (62)	43	23	34	2	133	108	61	87	285	191	107	18	89	5	28	6
Eupelmidae	**28**	28 (7)	0	0	0	0	8	6	3	4	20	8	4	3	3	0	0	0
Eurytomidae	**87**	87 (15)	4	5	3	0	35	27	21	20	65	44	9	8	11	2	0	0
Leucospidae	**1**	1 (0)	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0
Megastigmidae	**21**	21 (5)	3	2	2	1	11	5	3	4	12	10	3	2	3	2	3	0
Mymaridae	**96**	94 (7)	12	5	8	0	29	19	4	9	67	46	10	10	18	0	1	1
Ormyridae	**9**	9 (3)	0	0	1	0	2	2	0	2	7	4	2	0	3	0	0	0
Perilampidae	**20**	20 (6)	0	2	0	0	8	9	8	3	14	13	5	4	5	0	0	0
Pteromalidae	**309**	295 (71)	36	22	20	3	111	98	57	58	186	136	64	21	49	3	16	9
Signiphoridae	**1**	1 (0)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Tetracampidae	**4**	4 (0)	0	0	0	0	0	1	0	0	4	3	1	0	0	0	0	0
Torymidae	**60**	59 (17)	3	3	3	0	28	20	9	14	41	22	8	2	5	0	1	0
Trichogrammatidae	**35**	35 (0)	4	2	2	0	13	11	1	6	17	13	4	1	3	0	0	0
CHALCIDOIDEA	**1246**	**1214 (235)**	**113**	**69**	**78**	**7**	**440**	**355**	**207**	**245**	**852**	**566**	**257**	**79**	**223**	**13**	**56**	**26**
MYMAROMMATOIDEA	**2**	**2(0)**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

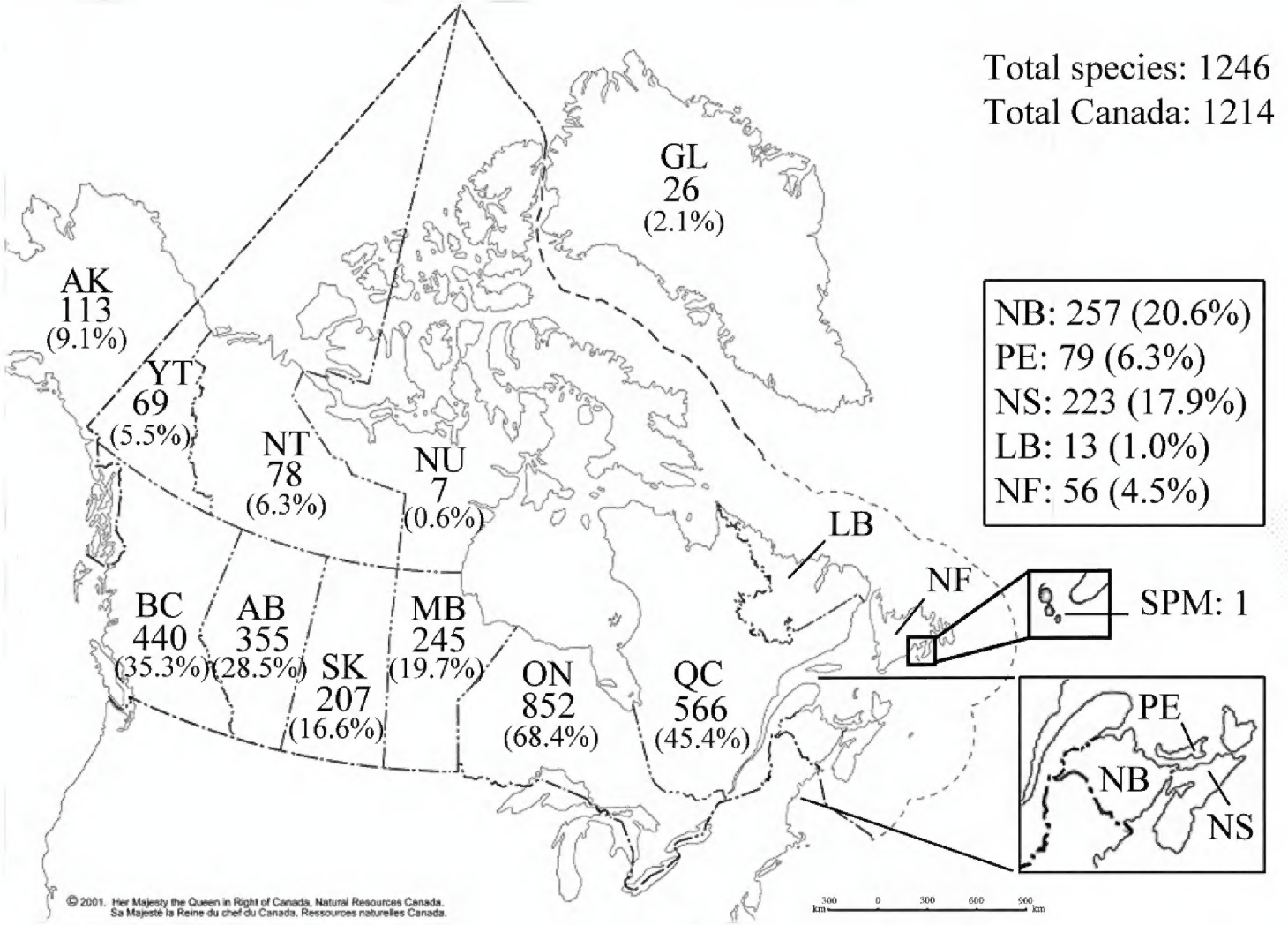

Figure 1. Map of Canada, Alaska, Greenland, and Saint Pierre and Miquelon showing number of described, recorded Chalcidoidea species and percentage of total species for each region. Canada is comprised of all regions except for Alaska, Greenland, and Saint Pierre and Miquelon. See the Presentation of data section under Methods for the acronyms of the regions treated in the checklist.

Table 2. Checklist of species of Chalcidoidea and Mymarommatoidea of Canada, Alaska and Greenland. See Methods for acronyms used for the regions. Distributional acronyms in black regular font are previously published and supported by an examined specimen. Red, boldface records are new (unpublished) records supported by an examined specimen. All specimens supporting boldfaced records are deposited in the CNC except if a depository acronym is noted in the far right column. Blue, italicized records are previously published but not validated by an examined specimen. Literature references are only noted for italicized records. For species with multiple italicized records based on multiple references, the references are listed in order from left to right, corresponding with the distributional records depicted from left to right, unless otherwise noted. An asterisk (*) denotes a record from Newfoundland for which it is uncertain whether it was from the island of Newfoundland or mainland Labrador.

ORDER HYMENOPTERA																	
SUPERFAMILY CHALCIDOIDEA																	
World families key – Gibson 1993; Nearctic families key – Grissell and Schauff 1997; Canadian families keys – Yoshimoto 1984; Nearctic generic keys – Gibson et al. 1997; Nearctic catalogue – Peck 1963, Burks 1979a–i, Gordh 1979a, Grissell 1979; Greenland fauna – Böcher et al. 2015.																	
FAMILY APHELINIDAE																	
Nearctic generic key – Woolley 1997a; Nearctic catalogue – Gordh 1979b (as part of Encyrtidae)																	
SUBFAMILY APHELININAE																	
Genus *Aphelinus* Dalman, 1820																	
Partial revision – Shirley et al. 2017																	
A. abdominalis (Dalman, 1820)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	**NS**	–	–	–	
A. annulipes (Walker, 1851)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
A. asychis Walker, 1839	CAN	–	–	–	–	–	**AB**	**SK**	**MB**	ON	**QC**	**NB**	–	NS	–	–	–	
A. chaonia Walker, 1839	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	**NB**	–	**NS**	–	–	–	
A. daucicola Kurdjumov, 1913	**CAN**	–	–	–	–	**BC**	**AB**	–	–	**ON**	**QC**	–	–	–	–	–	–	
A. gossypii Timberlake, 1924	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	**NB**	–	–	–	–	–	
A. howardii Dalla Torre, 1898	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
A. jucundus Gahan, 1924	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Gordh 1979b
A. mali (Haldeman, 1851)	CAN	–	–	–	–	BC	**AB**	**SK**	**MB**	ON	QC	**NB**	–	NS	–	–	–	
A. marlatti (Ashmead, 1888)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. niger Girault, 1913	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. perpallidus Gahan, 1924	CAN	–	–	–	–	–	–	–	–	*ON*	**QC**	–	–	–	–	–	–	Gordh 1979b
A. prociphili Carver, 1980	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
A. sanborniae Gahan, 1924	CAN	–	–	–	–	–	**AB**	–	–	ON	**QC**	–	–	–	–	–	–	
A. semiflavus Howard, 1908	CAN	–	–	–	–	–	–	–	*MB*	*ON*	–	–	–	NS	–	–	–	Richardson and Westdal 1965; MacKauer and Bisdee 1965
A. varipes (Förster, 1840)	**CAN**	–	–	–	–	**BC**	**AB**	**SK**	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Aphytis* Howard, 1900																	
World revision – Rosen and DeBach 1979																	
A. diaspidis (Howard, 1881)	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Jarvis 1908; Burden and Hart 1994
A. mytilaspidis (Le Baron, 1870)	CAN	–	–	–	–	BC	–	–	–	ON	*QC*	*NB*	–	NS	–	–	–	Burden and Hart 1994; Peck 1963
A. proclia (Walker, 1839)	**CAN**	–	–	–	–	–	–	–	–	–	–	**NB**	–	–	–	–	–	
Genus *Marietta* Motschulsky, 1863																	
World key – Hayat 1986																	
M. mexicana (Howard, 1895)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Martel and Sharma 1968
M. picta (Andre, 1878)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Hayat 1986
M. pulchella (Howard, 1881)	CAN	–	–	–	–	*BC*	–	SK	–	**ON**	*QC*	–	–	–	–	–	–	Peck 1963; Burden and Hart 1994
SUBFAMILY COCCOPHAGINAE																	
Genus *Coccobius* Ratzeburg, 1852																	
C. varicornis (Howard, 1881)	CAN	–	–	–	–	–	–	*SK*	–	*ON*	QC	–	–	–	–	–	–	Cumming 1953; Jarvis 1911
Genus *Coccophagus* Westwood, 1833																	
World revision – Compere 1931																	
C. brunneus Provancher, 1887	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Gahan and Rohwer 1917
C. cinguliventris Girault, 1909	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	

C. fletcheri Howard, 1897	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Howard 1897
C. gossypariae Gahan, 1927	CAN	–	–	–	–	**BC**	*AB*	–	–	**ON**	–	NB	–	–	–	–	–	Mader et al. 2020
C. lycimnia (Walker, 1839)	CAN	–	–	–	–	BC	**AB**	–	–	ON	**QC**	–	–	**NS**	–	–	–	
C. perflavus Girault, 1916	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	–	–	–	–	–	–	Beaulne 1949
C. quaestor Girault, 1917	CAN	–	–	–	–	–	–	–	MB	*ON*	–	–	–	–	–	–	–	Girault 1917
C. scutellaris (Dalman, 1826)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Encarsia* Förster, 1878																		
E. aurantii (Howard, 1894)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Girault 1912a
E. citrina (Craw, 1891)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1953
E. formosa Gahan, 1924	CAN	–	–	–	–	BC	*AB*	*SK*	*MB*	ON	*QC*	*NB*	*PE*	*NS*	–	*NF*	–	AB,SK,MB,QC, NB,PE,NS-Baird 1938; NF-Baird 1940
E. gennaroi Pedata & Giorgini, 2017	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
E. lounsburyi (Berlese & Paoli, 1916)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Baird 1947
E. perniciosi (Tower, 1913)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Caesar 1915
SUBFAMILY ERETMOCERINAE																		
Genus *Eretmocerus* Haldeman, 1850																		
E. eremicus Rose & Zolnerowich, 1997	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
FAMILY AZOTIDAE																		
Nearctic catalogue – Gordh 1979b (as part of Encyrtidae)																		
Genus *Ablerus* Howard, 1894																		
A. clisiocampae (Ashmead, 1894)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Jarvis 1908
FAMILY CHALCIDIDAE																		
Subfamily classification, phylogeny – Cruaud et al. 2021; Nearctic generic key – Bouček and Halstead 1997; New World generic revision – Bouček 1992; Nearctic catalogue – Burks 1979a																		
SUBFAMILY BRACHYMERIINAE																		
Genus *Brachymeria* Westwood, 1829																		
Nearctic revision – Burks 1960																		
B. aeca Burks, 1960	CAN	–	–	–	–	BC	–	**SK**	**MB**	ON	QC	–	–	NS	–	–	–	
B. compsilurae (Crawford, 1911)	CAN	–	–	–	–	BC	–	–	MB	ON	–	–	–	–	–	–	–	
B. ovata (Say, 1824)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Peck 1951
B. parvula (Walker, 1834)	CAN	**AK**	–	–	–	BC	AB	SK	MB	ON	–	–	–	–	–	–	–	AK-UAM
B. podagrica (Fabricius, 1787)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
B. tegularis (Cresson, 1872)	CAN	**AK**	–	–	–	BC	AB	SK	MB	**ON**	**QC**	–	–	–	–	–	–	AK-UAM
B. tibialis (Walker, 1834)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Madrid and Stewart 1980
B. truncatella Burks, 1967	CAN	–	–	–	–	–	–	SK	–	–	–	–	–	–	–	–	–	
SUBFAMILY CRATOCENTRINAE																		
Genus *Acanthochalcis* Cameron, 1884																		
Nearctic key – Halstead 1990c																		
A. nigricans Cameron, 1884	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
SUBFAMILY CHALCIDINAE																		
New World revision – Burks 1940, Delvare 1992;																		
Genus *Chalcis* Fabricius, 1787																		
Nearctic revision – Burks 1940; New World checklist – Delvare 1992																		
C. canadensis (Cresson, 1872)	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	*NB*	–	–	–	–	–	Cresson 1872
C. divisa (Walker, 1862)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
C. flebilis (Cresson, 1872)	CAN	–	–	–	–	–	–	–	–	*ON*	**QC**	–	–	–	–	–	–	Cresson 1872
C. microgaster Say, 1824	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	–	–	–	–	–	–	
C. neptis Burks, 1940	CAN	–	–	–	–	–	–	SK	**MB**	–	–	–	–	–	–	–	–	
C. phoenicapoda Burks, 1940	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Peck 1951
Genus *Conura* Spinola, 1837																		
Nearctic revision (as *Ceratosmicra*, *Spilochalcis*) – Burks 1940																		
C. albifrons (Walsh, 1861)	CAN	**AK**	YT	NT	–	BC	AB	SK	MB	ON	QC	NB	PE	NS	–	–	–	AK-UAM
C. arcana (Cresson, 1872)	CAN	–	–	–	–	–	**AB**	–	MB	ON	–	–	–	–	–	–	–	
C. debilis (Say, 1836)	CAN	–	–	–	–	**BC**	–	**SK**	**MB**	ON	–	–	–	–	–	–	–	
C. delumbis (Cresson, 1872)	CAN	–	–	–	–	–	–	–	MB	ON	*QC*	–	–	–	–	–	–	Burks 1979a
C. igneoides (Kirby, 1883)	CAN	–	–	–	–	–	AB	–	–	**ON**	–	–	–	–	–	–	–	
C. juxta (Cresson, 1872)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
C. leptis (Burks, 1940)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
C. maria (Riley, 1870)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
C. melana (Burks, 1940)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. meteori (Burks, 1940)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*NF*	–	Halstead 1986
C. side (Walker, 1843)	*CAN*	–	–	–	–	*BC*	–	*SK*	–	*ON*	*QC*	–	–	–	–	–	–	Burks 1940
C. torvina (Cresson, 1872)	CAN	–	–	–	–	**BC**	**AB**	SK	–	ON	–	–	–	–	–	–	–	
C. xanthostigma (Dalman, 1820)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Graham 1944

SUBFAMILY HALTICHELLINAE																		
Genus *Haltichella* Spinola, 1811																		
Nearctic review – Halstead 1990a																		
H. xanticles (Walker, 1843)	CAN	–	–	–	–	–	–	*SK*	–	**ON**	*QC*	–	–	–	–	–	–	Burks 1979a
Genus *Hockeria* Walker, 1834																		
Nearctic revision – Halstead 1990b																		
H. bicolor Halstead, 1990	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Halstead 1990b
H. eriensis (Wallace, 1942)	**CAN**	–	–	–	–	–	**AB**	**SK**	–	–	–	–	–	–	–	–	–	PMAE; RSKM
H. micra Halstead, 1990	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	PMAE
H. unipunctatipennis (Girault, 1918)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Psilochalcis* Kieffer, 1905																		
P. usta (Grissell & Schauff, 1981)	**CAN**	–	–	–	–	**BC**	–	**SK**	–	**ON**	–	–	–	–	–	–	–	
SUBFAMILY PHASGONOPHORINAE																		
Genus *Phasgonophora* Westwood, 1832																		
P. sulcata Westwood, 1832	CAN	–	–	–	–	**BC**	–	–	**MB**	**ON**	**QC**	NB	–	–	–	–	–	
Genus *Trigonura* Sichel, 1866																		
Nearctic key – Burks 1959																		
T. elegans (Provancher, 1887)	CAN	–	–	–	–	**BC**	–	–	**MB**	ON	QC	–	–	–	–	–	–	
T. pini Burks, 1959	CAN	–	**YT**	–	–	BC	–	–	**MB**	–	–	–	–	–	–	–	–	
T. tarsata (Dalla Torre, 1898)	CAN	–	–	–	–	–	–	**SK**	**MB**	*ON*	*QC*	NB	–	–	–	–	–	Burks 1979a
T. ulmi Burks, 1959	CAN	–	–	–	–	–	–	**SK**	**MB**	ON	QC	**NB**	–	–	–	–	–	
FAMILY ENCYRTIDAE																		
Nearctic generic key – Noyes et al. 1997; Nearctic review – Noyes and Woolley 1994; world review (biocontrol) – Noyes and Hayat 1994; Nearctic catalogue – Gordh 1979b; Nearctic review of genera and keys – Trjapitzin and Gordh 1978a, 1978b, Gordh and Trjapitzin 1981																		
SUBFAMILY ENCYRTINAE																		
Genus *Acerophagus* Smith, 1880																		
Nearctic Revision and keys – Rosen (1969)																		
A. angelicus (Howard, 1898)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Peck 1963
A. malinus (Gahan, 1946)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Boyce 1948
Genus *Adelencyrtus* Ashmead, 1900																		
A. intersectus (Fonscolombe, 1832)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Gahan 1924
Genus *Ageniaspis* Dahlbom, 1857																		
A. bicoloripes (Girault, 1915)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	NS	–	–	–	
A. fuscicollis (Dalman, 1820)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
A. scutellatus (Miller, 1961)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	NS	–	–	–	
A. testaceipes (Ratzeburg, 1848)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Wang and Laing 1989
Genus *Aphycoides* Mercet, 1921																		
A. clavellatus Dalman, 1820	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Trjapitzin 1989
Genus *Apsilophrys* De Santis, 1964																		
A. vaga (Howard, 1885)	CAN	–	–	–	–	**BC**	**AB**	–	**MB**	**ON**	*QC*	**NB**	–	–	–	–	–	Peck 1963
Genus *Blastothrix* Mayr, 1876																		
Nearctic review – Sugonjaev 1983																		
B. brittanica Girault, 1917	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Sugonjaev 1983
B. longipennis Howard, 1881	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Noyes 2004
B. sericea (Dalman, 1820)	CAN	–	–	–	–	BC	–	SK	–	**ON**	QC	**NB**	–	NS	–	–	–	
Genus *Bothriothorax* Ratzeburg, 1844																		
B. nigripes Howard, 1895	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
B. noveboracensis Howard, 1895	CAN	–	–	–	–	**BC**	–	–	–	**ON**	–	NB	–	**NS**	–	–	–	
Genus *Casus* Noyes & Woolley, 1994																		
C. parma Noyes & Woolley, 1994	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Noyes and Woolley 1994
Genus *Cerchysius* Westwood, 1832																		
C. pallipes (Provancher, 1887)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Cheiloneurus* Westwood, 1833																		
World revision – Guerrieri and Viggiani 2005																		
C. alaskae Trjapitzin & Triapitsyn, 2008	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Trjapitzin and Triapitsyn 2008
C. albicornis Howard, 1881	CAN	–	–	–	–	–	–	–	**MB**	ON	–	–	–	–	–	–	–	
C. elegans (Dalman, 1820)	CAN	–	–	–	–	–	–	–	–	*ON*	–	–	**PE**	–	–	–	–	Gahan 1933
C. swezeyi Ashmead, 1903	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Guerrieri and Viggiani 2005
Genus *Coelopencyrtus* Timberlake, 1919																		
C. hylaeoleter Burks, 1958	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Gordh 1979b
Genus *Copidosoma* Ratzeburg, 1844																		
European revision – Guerrieri and Noyes 2005																		
C. albipes (Westwood, 1837)	CAN	–	–	–	–	**BC**	**AB**	**SK**	MB	ON	QC	NB	–	–	–	–	–	

C. bakeri (Howard, 1898)	CAN	–	–	–	–	–	AB	*SK*	**MB**	ON	–	*NB*	–	–	–	–	–	King and Atkinson 1928; Wood and Neilson 1957
C. bucculatricis (Howard, 1892)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	**NB**	**PE**	–	–	–	–	
C. celaenae Howard, 1885	CAN	–	**YT**	**NT**	–	**BC**	**AB**	**SK**	**MB**	**ON**	QC	**NB**	–	**NS**	–	–	–	
C. cervius (Walker, 1846)	**CAN**	–	–	–	–	**BC**	**AB**	**SK**	–	**ON**	**QC**	**NB**	–	–	–	**NF**	–	
C. chalconotum (Dalman, 1820)	**CAN**	**AK**	–	–	–	**BC**	**AB**	–	–	–	**QC**	–	–	**NS**	–	–	–	
C. cuproviride Springate & Noyes, 1990	CAN	–	–	–	–	**BC**	–	–	–	ON	–	–	–	**NS**	–	–	–	
C. deceptor Miller, 1958	CAN	–	–	–	–	BC	AB	**SK**	**MB**	ON	QC	NB	–	NS	–	**NF**	–	
C. filicorne (Dalman, 1820)	CAN	–	–	–	–	–	**AB**	–	–	ON	–	**NB**	–	–	–	–	–	
C. floridanum (Ashmead, 1900)	CAN	**AK**	**YT**	–	–	**BC**	**AB**	**SK**	**MB**	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
C. gelechiae Howard, 1885	CAN	**AK**	–	–	–	**BC**	**AB**	**SK**	**MB**	ON	**QC**	**NB**	–	**NS**	–	–	–	
C. howardi Zolnerowich & Zuparko, 2011	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	*NB*	–	–	–	–	–	Zolnerowich and Zuparko 2011
C. lymani Howard, 1907	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. melanocerum (Ashmead, 1900)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	**NB**	–	–	–	–	–	
C. pyralidis (Ashmead, 1888)	CAN	–	–	–	–	BC	–	–	–	ON	**QC**	**NB**	–	–	–	–	–	
C. truncatellum (Dalman, 1820)	CAN	–	–	–	–	BC	**AB**	**SK**	–	**ON**	QC	*NB*	–	**NS**	**LB**	**NF**	–	Wood 1951
Genus *Encyrtus* Latreille, 1809																		
Holarctic review – Sugonjaev and Gordh 1982																		
E. aurantii (Geoffroy, 1785)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Jarvis 1911
E. fuscus (Howard, 1881)	CAN	–	–	–	–	**BC**	–	**SK**	–	ON	QC	–	–	**NS**	–	–	–	
E. infidus (Rossi, 1790)	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	–	–	–	–	–	–	
Genus *Epitetracnemus* Girault, 1915																		
E. intersectus (Fonscolombe, 1832)	CAN	–	–	–	–	BC	–	–	–	**ON**	**QC**	–	–	**NS**	–	–	–	
Genus *Gahaniella* Timberlake, 1926																		
G. incerta (Howard, 1881)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Ginsiana* Erdös & Novicky, 1955																		
G. richardsi (Barron, 1970)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Habrolepis* Förster, 1856																		
H. dalmanni (Westwood, 1837)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Homalotylus* Mayr, 1876																		
Nearctic revision – Timberlake 1920																		
H. hemipterinus (De Stefani, 1898)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
H. terminalis (Say, 1829)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Isodromus* Howard, 1887																		
Nearctic revision – Timberlake 1920																		
I. atriventris Ashmead, 1900	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1900
I. iceryae Howard, 1887	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
I. niger Ashmead, 1900	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
I. puncticeps (Howard, 1885)	**CAN**	–	–	–	–	–	–	–	–	–	–	–	–	**NS**	–	–	–	
I. vinulus (Dalman, 1820)	CAN	–	–	–	–	–	–	–	–	–	–	–	PE	–	–	–	–	
Genus *Ixodiphagus* Howard, 1907																		
I. hookeri (Howard, 1908)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Peck 1963
I. texanus Howard, 1907	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
Genus *Lamennaisia* Girault, 1922																		
L. ambigua (Nees, 1834)	**CAN**	–	–	–	–	–	–	**SK**	–	–	–	–	–	–	–	–	–	
Genus *Merlen* Noyes & Woolley, 1994																		
M. agricola Noyes & Woolley, 1994	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Metablastothrix* Sugonjaev, 1964																		
M. claripennis (Compere, 1928)	CAN	–	–	–	–	**BC**	–	SK	**MB**	**ON**	–	–	–	–	–	–	–	
Genus *Metaphycus* Mercet, 1917																		
M. annulipes (Ashmead, 1882)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Fletcher 1902
M. ater (Mercet, 1925)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015
M. groenlandicus Buhl, 1997	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Buhl 1997
M. johnsoni (Howard, 1898)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Beaulne 1949
M. kincaidi Timberlake, 1929	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. maculipes (Howard, 1885)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
M. pulchellus (Howard, 1898)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Jarvis 1911
M. pulvinariae (Howard, 1881)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
M. rileyi (Timberlake, 1916)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Timberlake 1916
M. stanleyi Compere, 1940	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	McLeod 1951
Genus *Microterys* Thomson, 1876																		
M. curio Trjapitzin, 1966	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015

M. cyanocephalus (Dalman, 1820)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Jarvis 1911
M. fuscicornis (Howard, 1885)	**CAN**	–	–	–	–	–	–	**SK**	**MB**	**ON**	–	–	–	–	–	–	–	
M. interpunctus (Dalman, 1820)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**GL**	
M. nietneri (Motschulsky, 1859)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Howard 1897
M. physokermis Compere, 1926	**CAN**	–	–	–	–	–	**AB**	**SK**	**MB**	**ON**	**QC**	**NB**	**PE**	–	–	–	–	
M. sylvius (Dalman, 1820)	CAN	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1900
Genus *Ooencyrtus* Ashmead, 1900																		
O. bucculatrix (Howard, 1883)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Brodie 1909
O. clisiocampae (Ashmead, 1893)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	–	–	–	–	–	–	–	
O. kuvanae (Howard, 1910)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Prionomitus* Mayr, 1876																		
P. mitratus (Dalman, 1820)	CAN	–	–	–	–	BC	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Pseudencyrtus* Ashmead, 1900																		
P. bolus (Walker, 1844)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Walker 1844
P. cecidomyiae (Howard, 1885)	CAN	–	–	**NT**	–	–	–	–	**MB**	ON	*QC*	–	–	–	–	–	–	Gordh 1979b
Genus *Pseudococcobius* Timberlake, 1916																		
P. obenbergeri (Novickij, 1926)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015
Genus *Pseudorhopus* Timberlake, 1926																		
P. fuscus (Girault, 1912)	CAN	–	–	–	–	–	–	–	–	*ON*	QC	**NB**	–	–	–	–	–	Peck 1951
Genus *Psyllaephagus* Ashmead, 1990																		
P. trioziphagus (Howard, 1885)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
Genus *Stemmatosteres* (Timberlake, 1918)																		
S. apterus Timberlake, 1918	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015
S. kuchari Yoshimoto, 1972	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
Genus *Syrphophagus* Ashmead, 1900																		
S. quadrimaculatae (Ashmead, 1881)	**CAN**	–	–	–	–	–	–	–	–	–	–	**NB**	–	**NS**	–	–	–	
S. smithi Kamal, 1926	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Tachinaephagus* Ashmead, 1904																		
T. zealandicus Ashmead, 1904	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
Genus *Tetracyclos* Kryger, 1942																		
T. boreios Kryger, 1942	CAN	–	–	–	NU	–	–	–	–	–	–	–	–	–	–	–	GL	
Genus *Thomsonisca* Ghesquière, 1946																		
T. amathus (Walker, 1838)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Buhl 1997
Genus *Trechnites* Thomson, 1876																		
T. insidiosus (Crawford, 1910)	CAN	–	–	–	–	BC	–	–	–	**ON**	–	–	–	NS	–	–	–	
Genus *Trichomasthus* Thomson, 1876																		
T. marsus (Walker, 1837)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015
Genus *Zaomma* Ashmead, 1900																		
Key – Gordh and Trjapitzin 1979																		
Z. lambinus (Walker, 1838)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	*NB*	*PE*	NS	–	–	–	Lord and MacPhee 1953
SUBFAMILY TETRACNEMINAE																		
Genus *Anagyrus* Howard, 1896																		
A. antoninae Timberlake, 1920	**CAN**	–	–	**NT**	–	–	–	–	–	–	–	–	–	–	–	–	–	
A. aper Noyes & Menezes, 2000	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Noyes 2000
A. argyrus (Burks, 1952)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Burks 1952
A. pulcher (Ashmead, 1888)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
Genus *Anusia* Förster, 1856																		
A. nasicornis Förster, 1860	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Chrysoplatycerus* Ashmead, 1889																		
C. splendens (Howard, 1888)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Baird 1940
Genus *Clausenia* Ishii, 1923																		
C. purpurea Ishii, 1923	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Ectromatopsis* Compere, 1947																		
E. americana (Howard, 1898)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Epanusia* Girault, 1913																		
E. xerophila (Brues, 1906)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Leptomastidea* Mercet, 1926																		
L. abnormis (Girault, 1915)	CAN	–	–	–	–	*BC*	*AB*	*SK*	–	ON	*QC*	*NB*	–	*NS*	–	*NF*	–	AB,SK,NS-Baird 1939; BC,QC,NB-Baird 1941; NF-Peck 1963

Genus *Leptomastix* Förster, 1856																		
L. dactylopii Howard, 1885	*CAN*	–	–	–	–	*BC*	*AB*	*SK*	–	*ON*	*QC*	*NB*	–	*NS*	–	*NF*	–	AB,SK,ON,NS-Baird 1939; BC,QC,NB-Baird 1941; NF-Peck 1963
Genus *Mira* Schellenberg, 1803																		
M. mucora Schellenberg, 1803	**CAN**	–	–	–	–	–	–	–	–	–	–	–	–	**NS**	–	–	–	
Genus *Pseudoleptomastix* Girault, 1915																		
P. squammulatus Girault, 1917	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Noyes 2000
Genus *Rhopus* Förster, 1856																		
R. sulphureus (Westwood, 1837)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Noyes 2015
Genus *Tetracnemoidea* Howard, 1898																		
T. westwoodi (Cockerell, 1898)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Gordh 1979b
Genus *Zaplatycerus* Timberlake, 1925																		
Z. gela (Noyes & Woolley, 1994)	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
Genus *Zarhopalus* Ashmead, 1900																		
Z. corvinus (Girault, 1915)	CAN	–	–	–	–	*BC*	*AB*	–	–	ON	*QC*	*NB*	–	*NS*	–	–	–	Baird 1941
Z. sheldoni Ashmead, 1900	CAN	–	–	–	–	–	*AB*	–	*MB*	ON	*QC*	–	–	–	–	–	–	AB,MB-Noyes and Hayat 1994; QC-Baird 1946
FAMILY EUCHARITIDAE																		
World generic revision – Heraty 2002; Nearctic generic key – Heraty 1997; Nearctic catalogue – Burks 1979b																		
SUBFAMILY EUCHARITINAE																		
Nearctic revision – Heraty 1985																		
Genus *Pseudochalcura* Ashmead, 1904																		
New World revision – Heraty 1986																		
P. gibbosa (Provancher, 1881)	CAN	AK	YT	NT	–	BC	AB	SK	MB	ON	QC	NB	–	–	–	–	–	
Genus *Pseudometagea* Ashmead, 1899																		
P. bakeri Burks, 1961	CAN	–	–	–	–	BC	AB	SK	–	–	–	–	–	–	–	–	–	
P. barberi Heraty, 1985	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
P. montana (Ashmead, 1890)	CAN	–	–	–	–	–	AB	SK	–	*ON*	QC	NB	PE	NS	–	–	–	Heraty 1985
P. nefrens Heraty, 1985	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
P. occipitalis Heraty, 1985	CAN	–	–	–	–	*BC*	AB	–	–	–	–	–	–	–	–	–	–	Heraty 1985
P. schwarzii (Ashmead, 1892)	CAN	–	–	–	–	–	AB	–	–	**ON**	QC	NB	PE	–	–	–	–	
SUBFAMILY ORASEMINAE																		
Genus *Orasema* Cameron, 1884																		
Revision – Baker and Heraty 2020																		
O. coloradensis Wheeler, 1907	*CAN*	–	–	–	–	*BC*	*AB*	–	*MB*	*ON*	–	–	–	–	–	–	–	Baker and Heraty 2020
FAMILY EULOPHIDAE																		
Phylogenomics – Rasplus et al. 2020; Nearctic generic review – Schauff et al. 1997; Nearctic catalogue – Burks 1979c																		
SUBFAMILY ENTEDONINAE																		
Genus *Achrysocharoides* Girault, 1913																		
Nearctic revision – Yoshimoto 1977																		
A. albus Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	NS	–	–	–	
A. arienascapus (Miller, 1962)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. bipunctatus (Girault, 1916)	CAN	–	–	–	–	–	–	SK	–	ON	QC	–	–	–	–	–	–	
A. bisulcus Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. cariocus (Miller, 1962)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. clypeatus (Miller, 1962)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. gahani (Miller, 1962)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. guizoti Girault, 1917	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
A. hirtiscapus (Miller, 1962)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. intricatus Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
A. mali Kamijo, 1991	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
A. reticulatus Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. tetrapunctatus Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. titiani Girault, 1916	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	NS	–	–	–	
A. yoshimotoi Kamijo, 1991	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. zwoelferi (Delucchi, 1954)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Asecodes* Förster, 1856																		
A. congruens (Nees, 1834)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
A. erxias (Walker, 1848)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
A. lucens (Nees, 1834)	**CAN**	–	–	**NT**	–	–	–	**SK**	–	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
A. politum (Hansson, 1994)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	

Genus *Ceranisus* Walker, 1842

Nearctic review – Triapitsyn and Morse 2005

C. americensis (Girault, 1917)	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	
C. loomansi Triapitsyn & Headrick, 1995	CAN	–	–	–	–	BC	AB	SK	MB	ON	–	NB	PE	–	–	–	–	
C. menes (Walker, 1939)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
C. planitianus Erdös, 1966	*CAN*	–	–	*NT*	–	–	–	–	–	–	–	–	–	–	–	–	–	Triapitsyn and Morse 2005
C. russelli (Crawford, 1911)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Triapitsyn and Morse 2005

Genus *Chrysocharis* Förster, 1856

New World/Nearctic revisions – Hansson 1987, 1995b, respectively; Palaearctic revision – Hansson 1985; Nearctic review *Chrysocharis* (*Kratochviliana*), Nearctic revision *Chrysocharis* s str – Yoshimoto 1973a, 1973b, respectively

C. acoris (Walker, 1839)	CAN	AK	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. acutigaster Hansson, 1985	CAN	–	–	–	–	–	–	–	MB	**ON**	*QC*	NB	–	–	–	–	–	Hansson 1987
C. ainsliei Crawford, 1912	CAN	AK	*YT*	–	–	BC	AB	SK	–	ON	QC	NB	–	NS	–	–	–	Hansson 1987
C. aluta Yoshimoto, 1973	CAN	–	–	NT	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
C. amasis (Walker, 1839)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	*NS*	–	–	–	Hansson 1987
C. amyite (Walker, 1839)	CAN	AK	YT	NT	–	BC	AB	SK	MB	–	QC	–	–	–	–	*NF**	–	Hansson 1987
C. assis (Walker, 1839)	CAN	–	YT	–	–	–	AB	SK	–	ON	QC	NB	–	NS	–	*NF**	–	Hansson 1987
C. avia Hansson, 1985	CAN	–	–	NT	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. beckeri Yoshimoto, 1973	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	–	–	–	–	
C. cerodonthae Hansson, 1987	CAN	–	–	–	–	–	AB	–	–	ON	**QC**	–	–	–	–	–	–	
C. chromatomyiae Hansson, 1987	CAN	–	–	–	–	BC	AB	–	–	ON	QC	NB	–	–	–	–	–	
C. clarkae Yoshimoto, 1973	CAN	AK	YT	NT	–	BC	AB	–	MB	ON	QC	NB	–	NS	–	–	–	
C. collaris Graham, 1963	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
C. compressicornis Ashmead, 1895	CAN	–	–	–	–	BC	–	–	–	ON	QC	NB	–	–	–	–	–	
C. coptodiscae Yoshimoto, 1973	CAN	–	–	–	–	BC	–	**SK**	MB	ON	QC	NB	–	NS	–	*NF**	–	Hansson 1987
C. cornigera Hansson, 1995	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
C. crassiscapus (Thomson, 1878)	CAN	*AK*	YT	NT	–	BC	AB	*SK*	MB	ON	QC	NB	–	NS	–	–	–	Hansson 1987
C. elongata (Thomson, 1878)	**CAN**	**AK**	**YT**	**NT**	–	**BC**	**AB**	–	**MB**	**ON**	**QC**	–	–	–	–	–	–	
C. entedonoides (Walker, 1972)	*CAN*	–	*YT*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Hansson 1987
C. frigida Baur & Hansson, 1997	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
C. fulviscapus Hansson, 1987	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. gemma (Walker, 1839)	CAN	–	–	–	–	BC	–	–	–	**ON**	–	–	–	–	–	–	–	
C. giraulti Yoshimoto, 1973	CAN	*AK*	–	–	–	*BC*	AB	–	MB	ON	QC	**NB**	–	NS	–	–	–	Hansson 1987; Yoshimoto 1973b
C. griffithsi Hansson, 1987	CAN	–	*YT*	–	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	Hansson 1987
C. ignota Hansson, 1987	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
C. illustris Graham, 1963	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
C. laomedon (Walker, 1839)	CAN	–	–	–	–	BC	–	–	–	ON	QC	–	–	NS	–	–	–	
C. laricinellae (Ratzeburg, 1848)	CAN	**AK**	–	–	–	BC	AB	–	MB	ON	QC	NB	*PE*	NS	–	NF	–	Yoshimoto 1973a
C. liriomyzae Delucchi, 1954	CAN	–	–	–	–	–	–	–	–	*ON*	–	–	**PE**	–	–	–	–	Heimpel and Meloche 2001
C. longicoxa Hansson, 1987	CAN	AK	*YT*	NT	–	BC	AB	–	–	–	–	–	–	–	–	–	–	Hansson 1987
C. longigaster Hansson, 1987	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. mediana Förster, 1861	CAN	**AK**	–	–	–	–	–	–	**MB**	ON	QC	**NB**	–	–	–	–	–	
C. minuta (Hansson, 1986)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
C. nephereus (Walker, 1839)	CAN	AK	–	–	–	BC	AB	SK	MB	ON	QC	NB	–	NS	–	–	–	
C. nitetis (Walker, 1839)	CAN	–	–	–	–	BC	*AB*	*SK*	–	ON	QC	*NB*	–	*NS*	–	*NF**	–	AB,SK,NS-Yoshimoto 1973a; NB,NF-Hansson 1987
C. occidentalis (Girault, 1916)	CAN	–	–	–	–	–	–	–	MB	ON	QC	*NB*	–	NS	–	NF	–	Hansson 1987
C. oscinidis Ashmead, 1888	CAN	AK	YT	**NT**	–	BC	AB	SK	MB	ON	QC	NB	–	NS	–	–	–	
C. pallipes (Nees, 1834)	CAN	AK	–	–	–	BC	*AB*	–	–	ON	QC	–	–	–	–	–	–	Hansson 1987
C. paradoxa Hansson, 1985	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
C. pentheus (Walker, 1839)	CAN	AK	–	–	–	BC	–	SK	MB	ON	QC	NB	–	–	–	–	–	
C. phytomyzivora Hansson, 1987	CAN	*AK*	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	Hansson 1987
C. pilosa Delucchi, 1954	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
C. polita (Howard, 1897)	CAN	–	–	–	–	**BC**	AB	–	–	ON	QC	–	–	NS	–	*NF**	–	Hansson 1987
C. polyzo (Walker, 1839)	CAN	AK	YT	NT	–	BC	AB	*SK*	MB	ON	QC	NB	–	NS	**LB**	NF	–	Hansson 1987

C. prodice (Walker, 1839)	CAN	–	YT	NT	–	BC	AB	SK	MB	ON	QC	NB	–	–	–	*NF**	–	Hansson 1987
C. pubicornis (Zetterstedt, 1838)	CAN	–	–	NT	–	*BC*	*AB*	–	MB	ON	*QC*	–	–	**NS**	–	–	*GL*	AB-Hansson 1987; BC,QC-Yoshimoto 1973b; GL-Baur 2005
C. robusta Yoshimoto, 1973	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
C. subcircularis Yoshimoto, 1973	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. submutica Graham, 1963	CAN	–	–	–	–	BC	AB	–	–	ON	QC	NB	–	NS	–	–	–	
C. tristis Hansson, 1987	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	
C. viridis (Nees, 1934)	CAN	AK	YT	NT	–	BC	AB	–	MB	ON	QC	–	–	NS	–	*NF**	–	Hansson 1987
C. walleyi Yoshimoto, 1973	CAN	–	–	–	–	BC	–	–	–	ON	QC	–	–	NS	–	–	–	
Genus *Chrysonotomyia* Ashmead, 1904																		
C. albipes (Girault & Dodd, 1913)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
C. maculata (Delucchi, 1962)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Closterocerus* Westwood, 1833																		
Nearctic revision – Hansson 1994																		
C. agromyzae Narayanan, Subba Rao & Ramachandra, 1960	**CAN**	–	–	–	–	**BC**	**AB**	–	**MB**	**ON**	–	–	**PE**	–	–	–	–	
C. cincinnatus Girault, 1916	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. cinctipennis Ashmead, 1888	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	NS	–	–	–	
C. damastes Walker, 1847	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. nius Hansson, 1994	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
C. ruforum (Krausse, 1917)	CAN	–	–	–	–	–	–	–	–	ON	QC	*NB*	–	–	–	–	–	Baird 1938
C. solidaginis (Yoshimoto, 1980)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. trifasciatus Westwood, 1833	CAN	–	–	NT	–	BC	*AB*	–	MB	ON	QC	NB	–	NS	–	–	–	Digweed 1998
C. utahensis Crawford, 1912	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. vesiculis (Moser, 1965)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	*NS*	–	–	–	Hansson 1994
Genus *Derostenus* Westwood, 1833																		
D. freemani Yoshimoto, 1973	CAN	–	–	–	–	**BC**	**AB**	**SK**	–	ON	QC	–	–	**NS**	–	–	–	
Genus *Emersonella* Girault, 1916																		
E. lemae Girault, 1916	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1955
E. niveipes Girault, 1917	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Entedon* Dalman, 1820																		
Nearctic revision – Schauff 1988																		
E. anthonomi Schauff, 1988	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	**NB**	–	–	–	–	–	
E. bigeloviae Ashmead, 1894	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
E. columbianus Ashmead, 1888	CAN	–	–	**NT**	–	–	AB	SK	MB	ON	QC	–	–	–	–	–	–	
E. darleneae Schauff, 1988	**CAN**	**AK**	–	**NT**	–	–	**AB**	**SK**	**MB**	–	–	–	–	–	–	–	–	
E. ergias Walker, 1839	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	*NS*	–	–	–	Schauff 1988
E. genei Schauff, 1988	*CAN*	–	–	–	–	–	–	–	–	–	–	*NB*	–		–	–	–	Schauff 1988
E. methion Walker, 1839	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
E. nearcticus Özdikmen, 2011	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Schauff 1988
E. occidentalis Girault, 1916	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
E. pecki Schauff, 1988	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. tachypterelli Gahan, 1931	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Schauff 1988
E. teedoe Schauff, 1988	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Entedonomphale* Girault, 1915																		
E. carbonaria (Erdös, 1954)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Holarcticesa* Koçak & Kemal, 2010																		
Holarctic review – Hansson 1988 (as *Grahamia* Erdös)																		
H. clinius (Walker,1839)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	–	**NB**	–	–	–	–	–	
H. tatrica (Erdös, 1966)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	*NS*	–	–	–	Hansson 1988
Genus *Horismenus* Walker, 1843																		
H. fraternus (Fitch, 1856)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
H. latrodecti Burks, 1971	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
H. lixivorus Crawford, 1907	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
H. puttleri (Grissell, 1981)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	*NB*	–	–	–	–	–	Sears and Boiteau 1989
Genus *Ionympha* Graham, 1959																		
New World revision – Hansson 1989; status of genus – Hansson 1996c																		
I. carne (Walker, 1839)	CAN	–	–	–	–	–	–	**SK**	–	*ON*	–	–	–	–	–	–	–	Hansson 1989
I. ochus (Walker, 1839)	CAN	–	–	–	–	BC	–	–	–	–	**QC**	–	–	**NS**	–	–	–	
Genus *Mestocharis* Förster, 1878																		
Holarctic revision – Hansson 1988																		

M. bimaculatis (Dalman, 1820)	CAN	–	–	–	–	BC	AB	–	MB	ON	QC	–	–	*NS*	–	*NF**	–	Hansson 1988
M. tropicalis Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Neochrysocharis* Kurdjumov, 1912																		
Nearctic revision – Hansson 1995a																		
N. agromyzae (Crawford,1913)	*CAN*	–	–	–	–	*BC*	*AB*	–	*MB*	*ON*	*QC*	–	*PE*	–	–	–	–	Hansson 1995a
N. aratus (Walker, 1838)	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
N. arizonensis (Crawford, 1913)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
N. clavatus (Hansson, 1995)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
N. cyaneoviridis Hansson,1995	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
N. diastatae (Howard, 1881)	CAN	*AK*	–	–	–	BC	AB	SK	MB	ON	QC	NB	PE	NS	–	–	*GL*	Hansson 1995a; Baur 2005
N. elongatus Hansson, 1995	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
N. formosus (Westwood, 1833)	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	NB	–	NS	–	–	–	
N. marginalis Hansson, 1995	CAN	–	–	–	–	–	AB	SK	–	ON	–	–	PE	–	–	–	–	
N. pictipes (Crawford, 1912)	*CAN*	–	–	–	–	–	*AB*	–	–	*ON*	–	–	–	–	–	–	–	Hansson 1995a
Genus *Omphale* Haliday, 1833																		
New World revision – Hansson 1996a																		
O. acamas (Walker, 1839)	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	
O. acuminaticornis (Girault, 1916)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. acuminativentris (Girault, 1917)	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	**NB**	–	**NS**	–	–	–	Hansson 1996a
O. aureopurpurea Hansson, 1996	CAN	–	–	NT	–	–	–	–	MB	–	–	–	–	–	–	–	–	
O. bicincta Ashmead, 1888	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
O. brevicornis Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. clypealba Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. deplanata Hansson, 1996	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
O. divina (Girault, 1916)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. elevata Hansson, 1996	CAN	–	–	–	–	–	–	–	MB	–	–	–	–	–	–	–	–	
O. erginnus (Walker, 1839)	CAN	–	–	–	–	–	AB	SK	MB	ON	QC	NB	–	NS	–	–	–	
O. flavicephala Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. flavifacies Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. gracilicornis (Hansson, 1987)	CAN	–	–	–	–	BC	AB	–	MB	ON	QC	NB	–	–	–	–	–	
O. huggerti (Hansson, 1988)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
O. longiseta Hansson, 1996	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
O. marginalis Hansson, 1996	CAN	–	–	–	–	–	–	–	MB	ON	QC	–	–	–	–	–	–	
O. marylandensis (Girault, 1916)	CAN	**AK**	–	–	–	–	–	–	*MB*	ON	QC	NB	–	*NS*	–	–	–	Hansson 1996a
O. obscurinotata (Girault, 1916)	CAN	–	–	–	–	–	–	–	MB	ON	QC	–	–	NS	–	–	–	
O. ocelliparva Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
O. oculiparva Hansson, 1996	CAN	–	–	–	–	BC	–	–	MB	ON	QC	–	–	–	–	–	–	
O. pedicellata Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
O. pilosa Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. purpurea Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	QC	NB			–	–	–	
O. salicis (Haliday, 1833)	CAN	–	–	–	–		AB	SK	–	ON	*QC*	NB	–	–	–	–	–	Hansson 1996a
O. scutellata (Girault, 1916)	CAN	–	–	–	–	–	–	–	MB	ON	QC	–	–	–	–	–	–	
O. semiglobosa Hansson, 1996	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Hansson 1996a
O. straminea Hansson, 1996	CAN	–	–	–	–	–	–	–	MB	ON	–	–	–	–	–	–	–	
O. theana (Walker, 1839)	CAN	–	–	–	–	BC	AB	–	MB	ON	QC	NB	**PE**	NS	–	–	–	
O. triclava Hansson, 1996	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Hansson 1996a
O. varia (Hansson, 1987)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
O. versicolor (Nees, 1834)	CAN	–	–	NT	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	
O. vinacea Hansson, 1996	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
O. vulgaris Hansson, 1996	CAN	–	–	–	–	–	–	–	MB	ON	QC	NB	–	**NS**	–	–	–	
Genus *Paracrias* Ashmead, 1904																		
Review – Gumovsky 2001																		
P. arizonensis (Ashmead, 1888)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
P. canadensis Gumovsky, 2001	CAN	–	–	–	–	–	–	–	MB	–	–	–	–	–	–	–	–	
P. huberi Gumovsky, 2001	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
P. laticalcar Gumovsky, 2001	*CAN*	–	–	–	–	–	*AB*	*SK*	–	–	–	–	–	–	–	–	–	Gumovsky 2001
P. mirus (Girault, 1917)	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
Genus *Pediobius* Walker, 1846																		
Nearctic revision – Peck 1985																		
P. adelphae Peck, 1985	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
P. alaspharus (Walker, 1839)	CAN	–	–	–	–	–	–	–	–	**ON**	–	–	–	**NS**	–	–	*GL*	Baur 2005
P. albipes (Provancher, 1887)	CAN	–	–	–	–	BC	AB	SK	**MB**	ON	QC	NB	–	NS	–	NF	–	
P. alcaeus (Walker, 1839)	CAN	AK	–	–	–	BC	AB	–	–	ON	QC	–	–	NS	–	–	–	
P. aphidiphagus (Ashmead,1887)	CAN	–	–	–	–	*BC*	–	–	–	ON	QC	–	–	–	–	–	–	Peck 1985

P. brachycerus (Thomson, 1878)	CAN	–	–	–	–	**BC**	AB	–	MB	ON	QC	–	–	–	–	–	–	
P. bucculatricis (Gahan, 1927)	CAN	–	–	–	–	–	*AB*	–	MB	ON	QC	NB	–	*NS*	–	–	–	Peck 1985
P. crassicornis (Thomson, 1878)	CAN	–	–	–	–	BC	AB	–	MB	ON	QC	NB	–	–	–	–	–	
P. epigonus (Walker, 1839)	CAN	AK	YT	NT	–	BC	AB	*SK*	MB	ON	QC	NB	*PE*	NS	LB	–	–	Peck 1985
P. eubius (Walker, 1839)	CAN	AK	YT	NT	–	BC	AB	SK	MB	ON	QC	NB	–	NS	LB	NF	–	
P. facialis (Giraud, 1863)	CAN	–	–	–	–	*BC*	AB	SK	MB	ON	QC	NB	PE	NS	–	–	–	Peck 1985
P. foliorum (Geoffroy, 1785)	CAN	AK	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
P. liocephalatus Peck, 1985	CAN	–	–	–	–	–	–	**SK**	–	ON	QC	–	–	**NS**	–	–	–	
P. lonchaeae Burks, 1966	CAN	–	–	–	–	–	–	–	–	ON	**QC**	NB	–	*NS*	–	–	–	Peck 1985
P. lysis (Walker, 1839)	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
P. magniclavatus Peck, 1985	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	NF	–	
P. metallicus (Nees, 1834)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	**QC**	**NB**	–	**NS**	–	**NF**	–	
P. nigritarsis (Thomson, 1878)	CAN	–	–	–	–	BC	*AB*	SK	–	ON	*QC*	–	–	**NS**	–	–	–	Baird 1938; Burks 1979c
P. ocellatus Peck, 1985	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
P. phyllotretae (Riley, 1884)	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	–	–	–	–	–	
P. planiventris (Thomson, 1878)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
P. pseudotsugatae Peck, 1985	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
P. pyrgo (Walker, 1839)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Arthur 1962
P. termerus (Walker, 1839)	CAN	AK	–	–	–	BC	–	–	–	–	–	–	–	–	LB	–	–	
P. williamsoni (Girault, 1911)	**CAN**	–	–	–	–	–	**AB**	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Perditorulus* Hansson, 1996																		
P. penicillatus Hansson, 1996	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Hansson 1996b
SUBFAMILY ENTIINAE																		
Genus *Astichus* Förster, 1856																		
A. intermedius Hedqvist, 1969	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. polyporicola Hedqvist, 1969	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	–	–	NF	–	
A. pulchrilineatus Gahan, 1927	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Euderus* Haliday, 1844																		
Nearctic revision – Yoshimoto 1971																		
E. acrobasis (Crawford, 1915)	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	–	NS	–	–	–	
E. alaskensis Yoshimoto, 1971	–	AK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
E. albitarsis (Zetterstedt, 1838)	CAN	–	–	–	–	–	AB	SK	MB	ON	QC	**NB**	**PE**	NS	–	–	–	
E. argyresthiae (Crawford, 1915)	CAN	–	–	–	–	BC	–	–	–	**ON**	QC	*NB*	–	–	–	–	–	Eidt and Sippell 1961
E. canadensis Yoshimoto, 1971	CAN	–	–	NT	–	–	–	–	*MB*	**ON**	**QC**	–	–	–	–	–	–	Yoshimoto 1971
E. chillcotti Yoshimoto, 1971	CAN	–	–	–	–	–	–	SK	–	ON	–	–	–	–	–	–	–	
E. cushmani (Crawford, 1915)	CAN	–	–	**NT**	–	**BC**	**AB**	**SK**	**MB**	ON	QC	NB	–	NS	–	–	–	
E. fuscedinellae Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	–	ON	–	NB	–	–	–	–	–	
E. glaucus Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
E. lividus (Ashmead, 1886)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
E. masoni Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. pecki Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	MB	–	QC	–	–	–	–	–	–	
E. purpureus Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. rubriscapus (Girault, 1916)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	NS	–	–	–	
E. rugosus (Crawford, 1915)	CAN	–	**YT**	–	–	–	–	–	**MB**	ON	QC	**NB**	–	NS	–	–	–	
E. saperdae Miller, 1965	CAN	–	–	–	–	–	–	SK	**MB**	ON	–	–	–	–	–	–	–	
E. solidaginis Yoshimoto, 1971	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
E. subopacus (Gahan, 1927)	CAN	–	–	–	–	–	AB	SK	MB	ON	QC	–	–	NS	–	–	–	
E. verticillatus (Ashmead, 1888)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY EULOPHINAE																		
Nearctic key to genera – Miller 1970																		
Genus *Burkseus* Perry, 2019																		
Revision and key to genera – Perry and Heraty 2019																		
B. flavoviridis (Crawford, 1913)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
B. robustus Perry, 2019	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	–	–	–	–	
B. vittatus (Walker, 1838)	CAN	AK	YT	–	–	BC	AB	–	–	ON	QC	NB	PE	NS	–	NF	–	
Genus *Cirrospilus* Westwood, 1832																		
C. argei (Crawford, 1911)	CAN	–	–	–	–	–	–	SK	–	ON	–	–	–	–	–	–	–	
C. cinctithorax (Girault, 1916)	CAN	–	–	–	–	**BC**	AB	–	–	ON	QC	NB	–	**NS**	–	–	–	
C. coptodiscae (Girault, 1916)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
C. flavicinctus Riley, 1883	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
C. inimicus Gahan, 1934	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
C. ocellatus Girault, 1917	CAN	–	–	–	–	–	–	–	**MB**	–	QC	–	–	–	–	–	–	
C. ovisugosus Crosby & Matheson, 1915	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1955

C. pictus (Nees,1834)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Peck 1963
Genus *Colpoclypeus* Lucchese, 1941																		
C. florus (Walker, 1839)	CAN	–	–	–	–	**BC**	–	–	–	ON	**QC**	–	–	–	–	–	–	
Genus *Dahlbominus* Hincks, 1945																		
D. fuscipennis (Zetterstedt, 1838)	CAN	–	–	–	–	*BC*	–	–	–	ON	QC	*NB*	*PE*	*NS*	–	*NF**	–	BC-Baird 1942; NB-Hawboldt 1939; PE-Baird 1947; NS,NF-Baird 1946
Genus *Diaulinopsis* Crawford, 1912																		
D. callichroma Crawford, 1912	CAN	–	–	–	–	–	–	SK	–	ON	–	NB	–	–	–	–	–	
Genus *Dicladocerus* Westwood, 1832																		
Nearctic revision – Yoshimoto 1976																		
D. alaskensis Yoshimoto, 1976	–	AK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
D. betulae Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	**NF**	–	
D. epinotiae Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	*NF*	–	Yoshimoto 1976
D. exoteliae Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
D. nearcticus Yoshimoto, 1976	CAN	–	–	–	–	**BC**	AB	**SK**	–	**ON**	**QC**	**NB**	–	–	–	–	–	
D. occidentalis Yoshimoto, 1976	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
D. pacificus Yoshimoto, 1976	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
D. terraenovae Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	–	–	–	–	–	–	NF	–	
D. vulgaris Yoshimoto, 1976	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	–	–	–	–	
D. westwoodii Westwood, 1832	CAN	–	–	–	–	*BC*	–	–	–	ON	–	–	–	–	–	–	–	Andrews and Geistlinger 1969
Genus *Diglyphus* Walker, 1844																		
D. begini (Ashmead, 1904)	CAN	–	**YT**	–	–	**BC**	**AB**	**SK**	**MB**	ON	QC	**NB**	–	**NS**	–	–	–	
D. intermedius (Girault, 1916)	CAN	–	–	–	–	**BC**	**AB**	–	**MB**	ON	**QC**	–	–	**NS**	–	–	–	
D. isaea (Walker, 1838)	CAN	–	–	–	–	–	**AB**	–	–	*ON*	–	–	–	–	–	–	*GL*	Fry 1989; Baur 2005
D. pulchripes (Crawford, 1912)	CAN	–	–	–	–	**BC**	**AB**	**SK**	**MB**	ON	**QC**	–	–	–	–	–	–	
D. websteri (Crawford, 1912)	**CAN**	**AK**	–	**NT**	–	–	–	**SK**	–	**ON**	**QC**	–	–	**NS**	–	–	–	
Genus *Dimmockia* Ashmead, 1904																		
World review – Ikeda and Huber 1996																		
D. incongrua (Ashmead, 1898)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
D. pallipes Muesebeck, 1927	**CAN**	–	–	–	–	–	–	–	**MB**	**ON**	**QC**	**NB**	–	–	–	–	–	
Genus *Elachertus* Spinola, 1811																		
Nearctic revision – Schauff 1985a																		
E. atus Schauff, 1985	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	**NB**	–	–	–	**NF**	–	
E. cacoeciae Howard, 1885	CAN	AK	–	–	–	BC	**AB**	**SK**	**MB**	ON	**QC**	NB	–	**NS**	–	**NF**	–	
E. cidariae Ashmead, 1898	**CAN**	**AK**	–	**NT**	–	**BC**	–	–	–	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
E. fenestratus Nees, 1834	CAN	–	**YT**	**NT**	**NU**	BC	AB	**SK**	**MB**	ON	QC	**NB**	–	**NS**	–	–	*GL*	Baur 2005
E. loh Schauff, 1985	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
Genus *Elasmus* Westwood, 1833																		
Nearctic review – Coote 1997; Nearctic key – Burks 1965																		
E. albicoxa Howard, 1885	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
E. apanteli Gahan, 1913	CAN	–	–	–	–	–	–	*SK*	–	**ON**	**QC**	–	–	–	–	–	–	Burks 1979c
E. aspidiscae Girault, 1917	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1955
E. atratus Howard, 1897	**CAN**	–	–	–	–	**BC**	–	–	–	–	**QC**	**NB**	–	–	–	–	–	
E. marylandicus Girault, 1915	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
E. mordax Girault, 1917	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1955
Genus *Eulophus* Geoffroy, 1762																		
E. anomocerus (Crawford, 1912)	CAN	–	–	–	–	–	–	**SK**	**MB**	ON	QC	**NB**	–	–	–	–	–	
E. basalis Say, 1836	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
E. brevicapitatus Cook & Davis, 1891	CAN	–	–	–	–	–	–	**SK**	**MB**	**ON**	QC	–	–	–	–	–	–	
E. koebelei (Crawford, 1912)	**CAN**	–	–	–	–	–	–	**SK**	–	–	–	–	–	–	–	–	–	
E. larvarum (Linnaeus, 1758)	**CAN**	–	–	–	–	–	–	–	–	–	–	–	–	**NS**	–		–	
E. nebulosus (Provancher, 1887)	CAN	–	–	–	–	**BC**	–	–	–	ON	**QC**	NB	**PE**	–	–	**NF**	–	
E. orgyiae (Fitch, 1856)	CAN	–	–	–	–	**BC**	**AB**	**SK**	**MB**	ON	QC	**NB**	**PE**	**NS**	–	**NF**	–	
E. ramosus Provancher, 1881	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
E. smerinthi (Ashmead, 1898)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
Genus *Euplectrus* Westwood, 1832																		
European revision – Hansson and Schmidt 2018; China species – Zhu and Huang 2003																		
E. bicolor (Swederus, 1795)	CAN	–	–	–	–	–	–	–	**MB**	**ON**	*QC*	–	–	–	–	–	–	Zhu and Huang 2002
E. frontalis Howard, 1885	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Chittenden 1901; Fyles 1897

E. liparidis Ferrière, 1941	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Zhu and Huang 2002
E. mellipes Provancher, 1887	CAN	*AK*	–	–	–	–	–	–	–	ON	QC	–	–	*NS*	–	–	–	Burks 1979c; Peck 1963
Genus *Grotiusomyia* Girault, 1917																		
G. flavicornis Girault, 1917	**CAN**	–	–	–	–	–	–	**SK**	–	–	–	–	–	–	–	–	–	
Genus *Hemiptarsenus* Westwood, 1833																		
H. collaris (Ashmead, 1904)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Burks 1979c
H. longifasciatus (Girault, 1917)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
H. unguicellus (Zetterstedt, 1838)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	**NB**	–	–	–	–	–	
Genus *Hyssopus* Girault, 1916																		
Nearctic revision – Schauff 1985b																		
H. benefactor (Crawford, 1912)	CAN	–	–	–	–	*BC*	AB	–	–	ON	QC	–	–	–	–	–	–	Burks 1979c
H. johannseni (Crawford, 1912)	CAN	–	**YT**	–	–	**BC**	AB	**SK**	MB	**ON**	**QC**	**NB**	–	–	–	–	–	
H. novus Girault, 1917	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
H. rhyacioniae Gahan, 1927	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
H. thymus Girault, 1916	CAN	–	–	–	–	**BC**	**AB**	SK	**MB**	ON	QC	–	**PE**	–	–	–	–	
Genus *Miotropis* Thomson, 1878																		
M. mellea (Ashmead, 1904)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Necremnus* Thomson, 1878																		
N. californicus (Girault, 1917)	**CAN**	–	–	–	–	–	**AB**	–	–	**ON**	–	–	–	–	–	–	–	
N. duplicatus Gahan, 1941	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	–	–	–	–	–	–	
N. tidius (Walker, 1839)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Paraolinx* Ashmead, 1894																		
P. canadensis Miller, 1964	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
Genus *Platyplectrus* Ferrière, 1941																		
P. americanus (Girault, 1917)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Pnigalio* Schrank, 1802																		
Nearctic review – Yoshimoto 1983; Nearctic revision – Miller 1970																		
P. boharti Yoshimoto, 1983	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
P. elongatus Yoshimoto, 1983	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
P. glaber Yoshimoto, 1983	**CAN**	–	–	–	–	–	–	–	**MB**	**ON**	–	–	–	–	–	–	–	
P. kukakensis (Ashmead, 1902)	CAN	AK	–	–	*NU*	BC	AB	–	–	–	–	–	–	**NS**	–	–	–	Yoshimoto 1983
P. levis Yoshimoto, 1983	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
P. longulus (Zetterstedt, 1838)	CAN	**AK**	–	**NT**	–	**BC**	*AB*	*SK*	**MB**	**ON**	–	**NB**	–	–	–	–	–	Yoshimoto 1983
P. maculipes (Crawford, 1913)	CAN	*AK*	**YT**	**NT**	–	BC	**AB**	SK	MB	ON	QC	NB	–	NS	–	**NF**	–	Burks 1979c
P. minio (Walker, 1847)	CAN	**AK**	–	**NT**	–	BC	**AB**	**SK**	MB	ON	QC	NB	–	**NS**	–	**NF**	–	
P. nemati (Westwood, 1838)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–		–	–	–	
P. neolongulus Yoshimoto, 1983	CAN	**AK**	**YT**	–	–	**BC**	–	–	MB	**ON**	**QC**	–	–	**NS**	–	–	–	
P. pallipes (Provancher, 1887)	CAN	**AK**	–	NT	–	BC	–	SK	MB	ON	*QC*	NB	–	NS	–	–	–	Yoshimoto 1983
P. pectinicornis (Linnaeus, 1758)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
P. uroplatae (Howard, 1885)	CAN	**AK**	–	**NT**	–	–	**AB**	–	*MB*	ON	QC	NB	–	**NS**	–	**NF**	–	Yoshimoto 1983
Genus *Sympiesis* Förster, 1856																		
Holarctic Review of *Sympiesis acalle, gordius* – Maier and Hansson 2006; Nearctic revision – Miller 1970																		
S. acalle (Walker, 1848)	CAN	AK	–	–	–	BC	**AB**	–	–	ON	QC	*NB*	–	**NS**	–	–	–	Burks 1979c
S. ancylae Girault, 1917	CAN	–	–	–	–	–	**AB**	–	–	*ON*	QC	*NB*	–	**NS**	–	–	–	Burks 1979c
S. argenticoxae Girault, 1917	*CAN*	–	–	–	–	–	–	–	*MB*	*ON*	*QC*	–	–	–	–	–	–	Burks 1979c
S. dolichogaster Ashmead, 1888	CAN	–	–	–	–	BC	**AB**	**SK**	–	ON	*QC*	**NB**	–	–	–	–	–	Burks 1979c
S. enargiae Miller, 1970	CAN	–	–	NT	–	BC	–	–	–	ON	*QC*	*NB*	–	–	–	–	–	Miller 1970
S. gordius (Walker, 1848)	CAN	–	–	–	–	BC	–	–	MB	ON	QC	NB	–	NS	–	–	–	
S. marilandia Girault, 1917	CAN	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	**NS**	–	–	–	Burks 1979c
S. sericeicornis (Nees, 1834)	CAN	–	**YT**	NT	–	BC	**AB**	**SK**	**MB**	ON	QC	NB	–	**NS**	–	–	–	
S. stigmata Girault, 1917	CAN	–	–	–	–	BC	*AB*	SK	–	–	–	–	–	–	–	–	–	Burks 1979c
S. stigmatipennis Girault, 1917	CAN	–	–	–	–	BC	**AB**	–	–	ON	QC	*NB*	–	**NS**	–	–	–	Burks 1979c
S. triclada (Provancher, 1887)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
S. viridula (Thomson, 1878)	CAN	–	–	–	–	–	AB	–	–	ON	*QC*	*NB*	–	**NS**	–	–	–	Peck 1963
S. yuekseli Doğanlar, 1979	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Xanthella* Móczár, 1950																		
X. szabopatayi Móczár, 1950	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Zagrammosoma* Ashmead, 1904																		
Z. americanum Girault, 1916	CAN	–	–	–	–	**BC**	*AB*	–	–	–	–	–	–	–	–	–	–	McLeod 1951
Z. centrolineatum Crawford, 1913	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Z. multilineatum (Ashmead, 1888)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	QC	**NB**	–	**NS**	–	–	–	

SUBFAMILY TETRASTICHINAE

European keys – Graham 1987, 1991; Nearctic generic key and species catalogue – LaSalle 1994

Genus *Anaprostocetus* Graham, 1987

Holarctic revision and key – Graham 1987

A. acuminatus (Ratzeburg, 1848)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	**NB**	–	–	–	–	–	

Genus *Aprostocetus* Westwood, 1833

A. anthophilus (Burks, 1947)	CAN	–	–	–	–	–	**AB**	–	–	**ON**	*QC*	–	–	–	–	–	–	Pilon 1965
A. anthracinus (Ashmead, 1902)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1902
A. bruzzonis (Masi, 1930)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
A. cassidis (Burks, 1943)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
A. esurus (Riley, 1879)	CAN	–	–	–	–	–	**AB**	**SK**	MB	**ON**	QC	NB	–	–	–	–	–	
A. garryana (Burks, 1963)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
A. hibus (Burks, 1943)	**CAN**	–	–	**NT**	–	–	–	**SK**	–	–	–	–	–	–	–	–	–	
A. impexus (Girault, 1917)	**CAN**	–	–	–	–	–	–	–	–	–	–	**NB**	–	–	–	–	–	
A. juniperi (Crawford, 1915)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	–	–	–	–	–	–	–	
A. marcovitchi (Crawford, 1915)	**CAN**	–	–	–	–	–	–	–	–	–	–	**NB**	–	–	–	–	–	
A. meltoftei Buhl, 1997	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Buhl 1997
A. minutus (Howard, 1881)	CAN	–	–	–	–	BC	**AB**	–	–	ON	*QC*	–	–	–	–	–	–	Samarasinghe and LeRoux 1966
A. nebraskensis (Girault, 1916)	CAN	–	–	–	–	**BC**	–	–	–	ON	–	**NB**	–	–	–	–	–	
A. pallipes (Dalman, 1820)	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Graham 1987
A. pattersonae (Fullaway, 1912)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
A. pausiris (Walker, 1839)	CAN	–	–	–	–	–	**AB**	–	–	ON	–	–	–	–	–	–	–	
A. pygmaeus (Zetterstedt, 1838)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
A. rosae (Ashmead, 1886)	CAN	–	–	–	–	*BC*	–	–	–	**ON**	–	–	–	–	–	–	–	Essig 1926
A. silvaticus (Gahan, 1937)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	**QC**	NB	**PE**	–	–	–	–	
A. strobilanae (Ratzeburg, 1844)	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
A. strobilus (Burks, 1943)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Hedlin 1960
A. venustus (Gahan, 1914)	CAN	–	–	–	–	–	–	–	–	**ON**	QC	**NB**	–	–	–	–	–	
A. zosimus (Walker, 1839)	CAN	–	–	–	–	–	–	–	**MB**	ON	–	–	–	–	–	–	–	

Genus *Baryscapus* Förster, 1856

B. americanus (Ashmead, 1888)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Vickruck et al. 2010
B. bruchophagi (Gahan, 1913)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
B. chlamytis (Ashmead, 1896)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
B. chrysopae (Crawford, 1915)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	**NB**	–	–	–	–	–	
B. coerulescens (Ashmead, 1898)	CAN	*AK*	–	–	–	**BC**	–	–	**MB**	**ON**	–	NB	–	**NS**	–	–	–	Torgersen 1969
B. daira (Walker, 1839)	CAN	–	–	–	–	**BC**	–	–	–	ON	–	**NB**	–	–	–	–	–	
B. galactopus (Ratzeburg, 1844)	CAN	–	–	–	–	**BC**	–	–	–	ON	**QC**	**NB**	–	–	–	–	–	
B. granulatus (Walker, 1844)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Walker 1844
B. malacosomae (Girault, 1917)	CAN	–	–	–	–	**BC**	–	–	–	*ON*	QC	–	–	**NS**	–	–	–	Blatt et al. 2000
B. microrhopalae (Ashmead, 1896)	CAN	–	–	–	–	–	–	–	MB	–	–	–	–	–	–	–	–	
B. modestus (Howard, 1889)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1955
B. racemariae (Ashmead, 1886)	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	**NB**	–	–	–	–	–	
B. rugglesi (Rohwer, 1919)	**CAN**	–	–	–	–	–	–	–	**MB**	**ON**	–	**NB**	–	–	–	–	–	
B. turionum (Hartig, 1838)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	

Genus *Chytrolestes* LaSalle, 1994

C. alibaba LaSalle, 1994	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	

Genus *Crataepus* Förster, 1878

C. marbis (Walker, 1839)	CAN	–	–	–	–	–	–	–	MB	ON	**QC**	–	–	–	–	–	–	

Genus *Galeopsomyia* Girault, 1916

G. epidius (Walker, 1847)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Burks 1975
G. haemon (Walker, 1847)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	**NB**	–	–	–	–	–	

Genus *Melittobia* Westwood, 1848

World revision – Dahms 1984

M. acasta (Walker, 1839)	**CAN**	–	–	–	–	**BC**	–	–	**MB**	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
M. chalybii Ashmead, 1892	*CAN*	–	–	–	–	*BC*	*AB*	–	*MB*	*ON*	–	–	–	–	–	–	–	BC-Buckell 1928; AB,MB-Peck 1969; ON-MacFarlane and Pengelly 1978

Genus *Minotetrastichus* Kostjukov, 1977

M. frontalis (Nees, 1834)	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	

Genus *Oomyzus* Rondani, 1870																		
O. incertus (Ratzeburg, 1844)	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	**NS**	–	–	–	
O. scaposus (Thomson, 1878)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. sokolowskii (Kurdjumov, 1912)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Peckelachertus* Yoshimoto, 1970																		
P. diprioni Yoshimoto, 1970	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
Genus *Quadrastichus* Girault, 1913																		
Q. baldufi (Burks, 1943)	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
Q. solidaginis (Burks, 1943)	CAN	–	–	–	–	–	**AB**	–	–	–	*QC*	–	–	–	–	–	–	Burks 1979c
Q. whitmani (Girault, 1916)	**CAN**	–	–	–	–	–	**AB**	–	–	–	**QC**	**NB**	–	**NS**	–	–	–	
Genus *Sigmophora* Rondani, 1867																		
S. brevicornis (Panzer, 1804)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Burks 1979c
Genus *Tetrastichomyia* Girault, 1916																		
T. clisiocampae (Ashmead, 1894)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Tetrastichus* Haliday, 1844																		
Nearctic revision – Burks 1943																		
T. alaskensis Ashmead, 1902	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1902
T. clito (Walker, 1840)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
T. coeruleus (Nees, 1834)	CAN	–	–	–	–	–	–	–	*MB*	ON	*QC*	*NB*	–	–	–	–	–	MB,NB-Peck 1951; QC-Beaulne 1935
T. johnsoni Ashmead, 1896	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. julis (Walker, 1839)	CAN	–	–	–	–	–	–	–	–	ON	–	**NB**	–	–	–	–	–	
T. paracholus Burks, 1943	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
T. pompilicola Graham, 1960	CAN	–	–	–	–	–	–	–	–	–	–	–	–	–	LB	–	–	
T. productus Riley, 1885	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	*PE*	–	–	–	–	Beaulne 1949; Fletcher 1900
T. saundersii (Packard, 1881)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Scudder 1889
T. setifer Thomson, 1878	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	Cappuccino et al. 2013
T. sinope (Walker, 1839)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Wilkinson 1966
T. tibialis (Ashmead, 1894)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Burks 1943
T. trisulcatus Provancher, 1887	CAN	–	–	–	–	**BC**	–	–	*MB*	ON	QC	NB	–	–	–	–	–	Burks 1943
FAMILY EUPELMIDAE																		
Nearctic generic key – Gibson 1997; Nearctic catalogue – Burks 1979d																		
SUBFAMILY CALOSOTINAE																		
World generic revision – Gibson 1989																		
Genus *Balcha* Walker, 1862																		
Revision – Gibson 2005a																		
B. indica (Mani & Kaul, 1973)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Calosota* Curtis, 1836																		
Nearctic revision – Gibson 2010																		
C. acron (Walker, 1848)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
C. aestivalis Curtis, 1836	CAN	–	–	–	–	BC	–	–	MB	–	QC	–	–	–	–	–	–	
C. metallica (Gahan, 1922)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
SUBFAMILY EUPELMINAE																		
World generic revision – Gibson 1995																		
Genus *Anastatus* Motschulsky, 1859																		
Nearctic key – Burks 1967a																		
Subgenus *Anastatus* Motschulsky, 1859																		
A. ashmeadi (Melander & Brues, 1903)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
A. japonicus Ashmead, 1904	CAN	–	–	–	–	–	–	–	–	ON	–	**NB**	–	–	–	–	–	
A. pearsalli Ashmead, 1898	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	–	–	–	–	–	–	–	
A. reduvii (Howard, 1880)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. ruficollis (Cameron, 1905)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Arachnophaga* Ashmead, 1896																		
Key to subgenera – Gibson 1995; New World key – Gahan 1943																		
Subgenus *Arachnophaga* Ashmead, 1896																		
A. aldrichi Gahan, 1943	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Subgenus *Shedocremna* Gibson, 1995																		
A. eucnemia Gibson, 1995	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
Genus *Brasema* Cameron, 1884																		
B. allynii (French, 1882)	CAN	–	–	–	–	–	–	–	*MB*	ON	–	–	*PE*	–	–	–	–	Criddle 1922; Fletcher 1900
B. leucothysana Gibson, 1995	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	

Genus *Eupelmus* Dalman, 1820																		
Subgenus *Eupelmus* Dalman, 1820																		
Nearctic revision – Gibson 2011																		
E. annulatus Nees, 1834	CAN	–	–	–	–	BC	–	–	–	ON	–	NB	–	NS	–	–	–	
E. cyaniceps Ashmead, 1886	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. dryorhizoxeni Ashmead, 1886	CAN	–	–	–	–	–	AB	SK	–	ON	QC	–	–	–	–	–	–	
E. microzonus Förster, 1860	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
E. nitifrons Gibson, 2011	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
E. pini Taylor, 1927	CAN	–	–	–	–	–	–	–	–	ON	QC	–	PE	–	–	–	–	
E. pulchriceps (Cameron, 1904)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. utahensis Girault, 1916	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
Subgenus *Macroneura* Walker, 1837																		
Nearctic revision – Gibson 1990																		
E. messene Walker, 1839	CAN	–	–	–	–	BC	AB	SK	MB	ON	QC	NB	PE	NS	–	–	–	
Genus *Merostenus* Walker, 1837																		
Subgeneric classification – Gibson 2017																		
Subgenus *Merostenus* Walker, 1837																		
M. excavatus (Dalman, 1820)	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
Subgenus *Reikosiella* Yoshimoto, 1969																		
M. bigutta (Girault, 1917)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
M. charitopoides (Girault, 1916)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
M. marylandica (Girault, 1916)	**CAN**	–	–	–	–	–	**AB**	–	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Zaischnopsis* Ashmead, 1904																		
Nearctic revision and world checklist – Gibson 2005b																		
Z. bouceki Gibson, 2005	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY NEANASTATINAE																		
World generic revision – Gibson 1989																		
Genus *Metapelma* Westwood, 1835																		
M. spectabile Westwood, 1835	**CAN**	–	–	–	–	–	–	**SK**	**MB**	**ON**	**QC**	**NB**	–	–	–	–	–	
FAMILY EURYTOMIDAE																		
Nearctic generic key – DiGiulio 1997; Nearctic generic key – Burks 1971; Nearctic catalogue – Burks 1979e																		
SUBFAMILY EURYTOMINAE																		
Phylogenetic analysis – Lotfalizadeh et al. 2007																		
Genus *Axima* Walker, 1862																		
A. zabriskiei Howard, 1890	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	–	–	–	–	–	–	Burks 1979e
Genus *Bruchophagus* Ashmead, 1888																		
B. borealis Ashmead, 1894	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1894
B. gibbus (Boheman, 1836)	CAN	–	–	–	–	*BC*	–	**SK**	–	ON	*QC*	–	–	–	–	–	–	Glendenning and King 1953; Ashmead 1894
B. platypterus (Walker, 1834)	CAN	–	–	–	–	–	**AB**	–	–	ON	**QC**	–	–	–	–	–	–	
B. roddi Gussakovskiy, 1933	CAN	–	–	–	–	BC	**AB**	SK	MB	ON	–	**NB**	–	–	–	–	–	
Genus *Eurytoma* Illiger, 1807																		
Nearctic revision of *Diplolepis* parasitoids – Zhang et al. 2014, 2017; Nearctic revision – Bugbee 1967, 1970, 1975; Keys to *morio* species group – Delvare et al. 2014																		
E. abatos Walker, 1843	CAN	–	–	–	–	*BC*	–	–	–	ON	QC	**NB**	–	**NS**	–	–	–	Burks 1979e
E. aciculata Ratzeburg, 1848	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
E. afra Boheman, 1836	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
E. altifossa Bugbee, 1967	CAN	–	–	–	–	–	–	–	MB	–	–	–	–	–	–	–	–	
E. appendigaster (Swederus, 1795)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	*NB*	–	–	–	–	–	Burks 1979e
E. atripes Gahan, 1933	CAN	**AK**	**YT**	**NT**	–	–	AB	SK	–	**ON**	**QC**	–	**PE**	–	–	–	–	
E. bicolor Walsh, 1870	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
E. bolteri Riley, 1869	CAN	–	–	–	–	**BC**	–	–	–	ON	–	–	–	–	–	–	–	
E. brevitergis Bugbee, 1975	*CAN*	–	–	–	–	*BC*	*AB*	–	–	–	–	–	–	–	–	–	–	Bugbee 1975
E. californica Ashmead, 1887	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
E. calycis Bugbee, 1961	CAN	–	**YT**	–	–	**BC**	–	**SK**	–	ON	–	–	–	–	–	–	–	
E. caraganae Nikol'skaya, 1952	CAN	–	–	–	–	–	*AB*	SK	*MB*	–	–	–	–	–	–	–	–	Peck 1963
E. cleri Ashmead, 1894	CAN	–	–	–	–	**BC**	–	–	–	–	QC	–	–	–	–	–	–	
E. conica Provancher, 1887	CAN	–	–	–	–	BC	–	–	**MB**	ON	QC	–	–	–	–	–	–	
E. contractura Bugbee, 1967	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. diastrophi Walsh, 1870	CAN	–	–	**NT**	–	**BC**	–	**SK**	**MB**	ON	*QC*	**NB**	–	**NS**	–	–	–	Peck 1963
E. discordans Bugbee, 1951	CAN	–	–	–	–	BC	AB	SK	MB	ON	QC	NB	PE	–	–	–	–	
E. dorcaschemae Ashmead, 1888	CAN	–	–	–	–	–	–	*SK*	–	**ON**	–	–	–	–	–	–	–	Burks 1979e
E. flavifacies Bugbee, 1969	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
E. fossae Bugbee, 1967	**CAN**	–	–	–	–	**BC**	**AB**	**SK**	**MB**	**ON**	–	–	–	–	–	–	–	
E. gatesi Delvare, 2014	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Delvare et al. 2014

E. gigantea Walsh, 1870	CAN	–	–	–	–	**BC**	AB	**SK**	MB	ON	QC	NB	–	–	**LB**	–	–	
E. hecale Walker, 1843	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
E. illinoisensis Girault, 1920	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	QC	–	–	NS	–	–	–	
E. imminuta Bugbee, 1951	*CAN*	–	–	–	–	*BC*	*AB*	–	*MB*	*ON*	*QC*	–	–	–	–	–	–	Zhang et al. 2017
E. incerta Fullaway, 1912	CAN	–	–	–	–	**BC**	**AB**	SK	–	**ON**	–	–	–	–	–	–	–	
E. iniquus Bugbee, 1951	CAN	–	–	–	–	*BC*	*AB*	–	–	ON	*QC*	–	PE		–	–	–	Zhang et al. 2017
E. juniperina Marcovitch, 1915	CAN	–	–	–	–	**BC**	–	**SK**	–	ON	–	–	–	–	–	–	–	
E. longavena Bugbee, 1951	CAN	–	–	–	–	*BC*	AB	*SK*	–	*ON*	*QC*	–	–	–	–	–	–	BC-Bugbee 1951; SK,ON, QC-Zhang et al. 2017
E. magdalidis Ashmead, 1894	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	–	–	–	–	–	Burks 1979e
E. minnesota Girault, 1916	**CAN**	**AK**	**YT**	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
E. neomexicana Girault, 1920	CAN	–	–	–	–	–	**AB**	SK	–	**ON**	**QC**	–	–	–	–	–	–	
E. nigricoxa Provancher, 1887	CAN	–	–	–	–	BC	**AB**	–	MB	ON	**QC**	–	–	–	–	–	–	
E. obtusiventris Gahan, 1934	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. onobrychidis Nikol'skaya, 1933	CAN	–	–	–	–	–	*AB*	**SK**	–	–	–	–	–	–	–	–	–	Richards 1989
E. orchidearum (Westwood, 1869)	*CAN*	–	–	–	–	*BC*	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Essig 1926; Gibson 1914; Burks 1979e
E. pachyneuron Girault, 1916	CAN	**AK**	**YT**	**NT**	–	BC	**AB**	**SK**	**MB**	**ON**	QC	–	PE	**NS**	**LB**	–	–	
E. parva Phillips, 1918	CAN	–	–	–	–	**BC**	AB	SK	**MB**	**ON**	**QC**	–	**PE**	–	–	–	–	
E. phloeotribi Ashmead, 1894	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Bugbee 1970
E. picea Bugbee, 1967	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
E. pini Bugbee, 1958	CAN	–	–	–	–	*BC*	–	–	*MB*	ON	*QC*	–	–	–	–	–	–	Bugbee 1958
E. pissodis Girault, 1917	CAN	–	–	–	–	BC	AB	–	**MB**	ON	**QC**	NB	–	*NS*	–	–	–	Peck 1963
E. profunda Bugbee, 1967	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1887
E. prunicola Walsh, 1870	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. querciglobuli (Fitch, 1859)	CAN	**AK**	**YT**	–	–	**BC**	–	–	**MB**	ON	–	–	–	–	–	–	–	
E. rhois Crosby, 1909	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. shorthousei Zhang & Gates, 2017	*CAN*	–	–	–	–	*BC*	–	–	*MB*	–	–	–	–	–	–	–	–	Zhang et al. 2017
E. solenozopheriae Ashmead, 1887	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	*NS*	–	–	–	Burks 1979e; Hayman et al. 2003
E. spongiosa Bugbee, 1951	CAN	–	–	–	–	**BC**	**AB**	*SK*	**MB**	ON	–	–	–	–	–	–	–	Bugbee 1951
E. studiosa Say, 1836	*CAN*	–	–	–	–	*BC*	–	–	–	*ON*	*QC*	–	–	–	–	–	–	BC,QC-Burks 1979e; ON-Harrington 1895
E. tomici Ashmead, 1894	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
E. tylodermatis Ashmead, 1896	CAN	–	–	–	–	*BC*	*AB*	*SK*	–	ON	*QC*	**NB**	–	–	–	–	–	Haye et al. 2013
E. verticillata (Fabricius, 1798)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
E. vitis (Saunders, 1869)	CAN	–	–	–	–	–	–	–	–	*ON*	**QC**	–	–	–	–	–	–	Saunders 1869
Genus *Mangoma* Subba Rao, 1986																		
M. salicis (Walker, 1834)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Masneroma* Bouček, 1983																		
M. angulifera Bouček, 1983	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Sycophila* Walker, 1871																		
Nearctic revision – Balduf 1932 (as *Decatoma* Spinola)																		
S. dubia (Walsh, 1870)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
S. marylandica (Girault, 1916)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	*NS*	–	–	–	Balduf 1932
S. mellea (Curtis, 1831)	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	–	PE	–	–	–	–	Beaulne 1949
S. nigriceps (Walsh, 1870)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
S. novascotiae (Balduf, 1932)	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
S. nubilistigma (Walsh, 1870)	*CAN*	–	–	–	–	–	–	–	*MB*	–	*QC*	–	–	–	–	–	–	Balduf 1932
S. quercilanae (Fitch, 1859)	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Peck 1963
S. subimmaculata (Girault, 1917)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
S. vacciniicola (Balduf, 1932)	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	–	*NS*	–	–	–	Balduf 1932; Hayman et al. 2003
S. varians (Walsh, 1870)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–		–	–	–	
Genus *Systole* Walker, 1832																		
S. albipennis Walker, 1832	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	

Genus *Tenuipetiolus* Bugbee, 1951																		
T. medicaginis (Gahan, 1919)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. ruber Bugbee, 1951	CAN	–	–	–	–	BC	–	**SK**	**MB**	ON	QC	–	–	**NS**	–	–	–	
Genus *Tetramesa* Walker, 1848																		
Nearctic revision – Phillips and Emery 1919, Phillips 1936																		
T. hordei (Harris, 1830)	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	PE	**NS**	–	–	–	Webster 1903
T. kingi (Phillips, 1927)	CAN	–	–	–	–	–	**AB**	SK	–	–	–	–	–	–	–	–	–	
T. linearis (Walker, 1832)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. longipetiolatum (Phillips, 1836)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
T. maderae (Walker, 1849)	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Burks 1979e; Peck 1963
T. oregon (Phillips, 1836)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
T. secale (Fitch, 1861)	*CAN*	–	–	–	–	–	*AB*	–	–	*ON*	–	–	–	–	–	–	–	Holmes and Blakeley 1971; Peck 1963
T. tritici (Fitch, 1859)	CAN	–	–	–	–	–	–	–	–	*ON*	*QC*	NB	*PE*	–	–	–	–	ON,PE-Fletcher 1906; QC-Peck 1963
T. vaginicolum (Doane, 1916)	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Phillips and Emery 1919; Peck 1951
T. websteri (Howard, 1896)	CAN	–	–	–	–	–	**AB**	–	–	*ON*	*QC*	–	–	–	–	–	–	Burks 1979e
SUBFAMILY RILEYINAE																		
World revision – Gates 2008																		
Genus *Neorileya* Ashmead, 1904																		
N. flavipes Ashmead, 1904	**CAN**	–	–	–	–	–	–	–	**MB**	–	–	–	–	–	–	–	–	
Genus *Rileya* Ashmead, 1888																		
R. cecidomyiae Ashmead, 1888	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
R. insularis (Ashmead, 1894)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
FAMILY LEUCOSPIDAE																		
Nearctic review – Boucek 1997a; world revision – Boucek 1974; Nearctic catalogue – Burks 1979f																		
Genus *Leucospis* Fabricius, 1775																		
L. affinis Say, 1824	CAN	–	–	–	–	**BC**	**AB**	**SK**	**MB**	ON	**QC**	**NB**	**PE**	*NS*	–	–	–	AB-PMAE; SK-RSKM; Westwood 1834
FAMILY MEGASTIGMIDAE																		
World catalogue – Grissell 1999; Nearctic catalogue – Grissell 1979; phylogenetics – Janšta et al. 2018																		
Genus *Megastigmus* Dalman, 1820																		
Nearctic key – Hedlin et al. 1980; Nearctic revision and key – Milliron 1949																		
M. aculeatus (Swederus, 1795)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
M. albifrons Walker, 1869	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Hedlin et al. 1980
M. amelanchieris Cushman, 1918	**CAN**	–	–	–	–	**BC**	**AB**	–	**MB**	–	–	–	–	–	–	–	–	
M. americanus Milliron, 1949	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	**NF**	–	
M. atedius Walker, 1851	CAN	*AK*	–	–	–	BC	–	–	–	ON	**QC**	**NB**	–	–	–	–	–	Werner 1964
M. brevicaudis Ratzeburg, 1852	**CAN**	–	–	–	–	–	–	–	**MB**	–	–	–	–	–	–	–	–	
M. caperatus Milliron, 1949	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
M. formosus Milliron, 1949	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
M. gahani Milliron, 1949	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
M. hoffmeyeri Walley, 1932	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
M. laricis Marcovitch, 1914	CAN	*AK*	*YT*	*NT*	*NU*	*BC*	*AB*	*SK*	*MB*	ON	QC	NB	*PE*	*NS*	*LB*	*NF*	–	Hedlin et al. 1980
M. lasiocarpae Crosby, 1913	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
M. melanus Milliron, 1949	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
M. milleri Milliron, 1949	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. nigrovariegatus Ashmead, 1890	CAN	AK	**YT**	**NT**	–	BC	**AB**	SK	–	**ON**	QC	–	**PE**	NS	–	**NF**	–	
M. physocarpi Crosby, 1913	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
M. pinus Parfitt, 1857	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. rafni Hoffmeyer, 1929	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. specularis Walley, 1932	CAN	–	–	–	–	–	–	SK	*MB*	ON	QC	NB	–	**NS**	**LB**	–	–	Hedlin 1956
M. spermotrophus Wachtl, 1893	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
M. tsugae Crosby, 1913	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
FAMILY MYMARIDAE																		
World genera – Annecke and Doutt 1961; Holarctic genera – Schauff 1984; Nearctic generic key – Huber 1997, Huber et al. 2020; New World genera – Yoshimoto 1990; Nearctic catalogue – Burks 1979g, Huber et al. 2020																		
Genus *Acmopolynema* Ogloblin, 1946																		
Nearctic review – Schauff 1981																		
A. immaculatum Schauff, 1981	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	NS	–	–	–	

A. varium (Girault, 1917)	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Schauff 1981
Genus *Alaptus* Westwood, 1839																		
Holarctic revision – Triapitsyn 2017																		
A. fusculus Walker, 1846	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 2017
A. huberi Triapitsyn, 2017	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 2017
A. immaturus Perkins, 1905	*CAN*	–	–	–	–	–	*AB*	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 2017
A. klonx Triapitsyn, 2017	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
A. minimus Westwood, 1839	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	*NB*	–	–	–	–	–	Triapitsyn 2017
A. pallidicornis Föerster, 1856	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 2017
A. santetrapsi Triapitsyn, 2017	*CAN*	–	*YT*	–	–	–	*AB*	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 2017
Genus *Anagrus* Haliday, 1833																		
World key – Triapitsyn 2015; Nearctic review – Triapitsyn 1998; Holarctic key and Nearctic review – Chiappini et al. 1996; Nearctic key – Gordh and Dunbar 1977																		
A. atomus (Linnaeus, 1767)	CAN	–	–	–	–	BC	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn 1998
A. avalae Soyka, 1956	*CAN*	–	–	–	–	*BC*	–	–	–	*ON*	–	–	–	–	–	–	–	Chiappini and Triapitsyn 1999
A. daanei Triapitsyn, 1998	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
A. incarnatus Haliday, 1833	*CAN*	–	–	–	–	–	–	*SK*	–	–	–	–	–	–	–	–	–	Triapitsyn et al. 2018
A. nigriceps (Smits van Burgst, 1914)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**GL**	Huber 2015a
A. nigriventris Girault, 1911	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Armstrong 1936
A. puella Girault, 1911	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
A. subfuscus Förster, 1847	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
Genus *Anaphes* Haliday, 1833																		
Review and world catalogue – Huber and Thuróczy 2018; Nearctic review and keys – species groups and *A. fuscipennis* group – Huber 1992, *A. crassicornis* group – Huber 2006; key and descriptions of carrot weevil parasitoids – Huber et al. 1997																		
A. alaskae Annecke & Doutt, 1961	CAN	*AK*	**YT**	NT	–	–	–	–	–	–	–	–	–	–	–	–	–	Annecke and Doutt 1961
A. byrrhidiphagus Huber, 1992	CAN	AK	YT	–	–	BC	–	–	MB	–	QC	–	–	–	–	–	–	
A. calendrae (Gahan, 1927)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. collinus Walker, 1846	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
A. confertus (Doutt, 1949)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
A. conotracheli Girault, 1905	CAN	–	–	**NT**	–	–	–	–	–	–	QC	–	–	–	–	–	–	
A. cotei Huber, 1997	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
A. diana (Girault, 1911)	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	**NS**	–	–	–	
A. flavipes (Förster, 1841)	CAN	–	–	–	–	–	–	–	–	*ON*	–	–	–	NS	–	–	–	Samková et al. 2017
A. fuscipennis Haliday, 1833	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	**QC**	–	–	**NS**	–	–	–	
A. gerrisophaga (Doutt, 1949)	CAN	–	–	–	–	–	–	–	MB	ON	QC	–	–	–	–	–	–	
A. iole Girault, 1911	CAN	**AK**	–	**NT**	–	**BC**	**AB**	–	–	**ON**	QC	–	**PE**	–	–	–	–	
A. listronoti Huber, 1997	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	–	–	–	–	–	Huber et al. 2006
A. luna (Girault, 1914)	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	PE	–	–	–	–	
A. sinipennis Girault, 1911	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	NS	–	–	–	
A. victus Huber, 1997	CAN	–	–	–	–	–		–	–	ON	QC	–	–	–	–	–	–	
Genus *Camptoptera* Förster, 1856																		
Holarctic revision – Triapitsyn 2014																		
C. cardui (Förster, 1856)	*CAN*	–	–	–	–	–	–	–	*MB*	–	–	–	–	–	–	–	–	Triapitsyn 2014
Genus *Chrysoctonus* Mathot, 1966																		
C. masneri (Yoshimoto, 1990)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
Genus *Cleruchus* Enock, 1909																		
C. biciliatus (Ferrière, 1952)	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
C. pieloui (Yoshimoto, 1971)	CAN	–	–	–	–	–	–	–	–	–	**QC**	NB	–	–	–	–	–	
Genus *Cosmocomoidea* Howard, 1908																		
World checklist – Huber 2015b; Nearctic key – Triapitsyn 2013b; Nearctic revision (as *Gonatocerus ater* group) – Huber 1988; Nearctic review and key to parasites of Proconiini – Triapitsyn 2006																		
C. bonariensis (Brethès, 1922)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
C. dolichocerus (Ashmead, 1887)	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	NS	–	–	–	
C. inexpectata (Huber, 1988)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. latipennis (Girault, 1911)	CAN	–	–	–	–	BC	–	–	MB	ON	QC	–	–	NS	–	–	–	
C. novifasciata (Girault, 1911)	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
Genus *Dicopus* Enock, 1909																		
D. halitus Girault, 1917	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Girault 1911
Genus *Erythmelus* Enock, 1909																		
Nearctic review – Triapitsyn et al. 2007																		
E. agilis (Enock, 1909)	CAN	AK	–	NT	–	BC	–	–	–	ON	QC	–	PE	–	–	–	–	

E. burtik Triapitsyn, 2007	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–		
E. flavovarius (Walker, 1846)	CAN	*AK*	–	–	–	–	–	–	–	*ON*	QC	–	PE	–	–	–	–	Triapitsyn et al. 2007	
E. gracilis (Howard, 1881)	CAN	–	–	*NT*	–	BC	–	–	–	ON	–	–	PE	–	–	–	–	Triapitsyn et al. 2007	
E. mikrob Triapitsyn , 2007	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Triapitsyn et al. 2007	
E. miridiphagus Dozier, 1937	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Triapitsyn et al. 2007	
E. picinus (Girault, 1915)	CAN	*AK*	–	–	–	BC	AB	–	–	ON	–	–	–	NS	–	–	–	Triapitsyn et al. 2007	
E. psallidis Gahan, 1937	CAN	–	–	–	–	*BC*	*AB*	–	–	ON	–	*NB*	PE	–	–	–	–	Triapitsyn et al. 2007	
E. rex (Girault, 1911)	CAN	–	–	–	–	–	AB	SK	–	ON	QC	–	–	–	–	–	–		
Genus *Eustochus* Haliday, 1833																			
World review – Huber and Baquero 2007; subgeneric definitions – Triapitsyn et al. 2020																			
Subgenus *Caraphractus* Walker, 1846																			
E. cinctus (Walker, 1846)	CAN	–	**YT**	NT	–	**BC**	–	–	**MB**	ON	**QC**	**NB**	–	–	–	–	–		
= *Caraphractus cinctus* Walker, 1846																			
Subgenus *Eustochus* Haliday, 1833																			
E. nearcticus Yoshimoto, 1990	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	NS	–	–	–		
E. pengellyi Huber & Baquero, 2007	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–		
E. yoshimotoi Huber & Baquero, 2007	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–		
Genus *Gonatocerus* Nees, 1834																			
World checklist – Huber 2015b; Nearctic partial key – Triapitsyn 2013b; Nearctic revision (as *sulphuripes* group) – Huber 1988																			
G. californicus Girault, 1917	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–		
G. fuscicornis (Walker, 1846)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Triapitsyn 2013a	
G. lissonotus Huber, 1988	CAN	–	–	–	–	–	–	–	**MB**	ON	–	–	–	–	–	–	–		
G. maga Girault, 1911	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–		
G. mexicanus Perkins, 1912	CAN	–	–	–	–	–	**AB**	–	–	ON	QC	–	–	–	–	–	–		
G. rivalis Girault, 1911	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	*NS*	–	–	–	Huber 1988	
Genus *Kalopolynema* Oglobin, 1960																			
Revision – Triapitsyn and Berezovskiy 2002																			
K. ema (Schauff & Grissell, 1982)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–		
Genus *Litus* Haliday, 1833																			
Holarctic, Oriental review – Triapitsyn and Berezovskiy 2004																			
L. camptopterus Novicky, 1953	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–		
L. cynipseus Haliday, 1833	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–		
Genus *Lymaenon* Walker, 1846																			
World checklist – Huber 2015b; Nearctic key – Triapitsyn 2013b																			
L. aureus (Girault, 1911)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn et al. 2010	
L. litoralis (Haliday, 1833)	*CAN*	–	–	*NT*	–	–	–	–	–	–	–	–	–	–	–	–	–	Triapitsyn 2013a	
Genus *Macrocamptoptera* Girault, 1910																			
Holarctic revision – Triapitsyn 2012																			
M. metotarsa (Girault, 1905)	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	–	–	–	–	–		
Genus *Mymar* Curtis, 1829																			
Review and world key – Triapitsyn and Berezovskiy 2001																			
M. pulchellum Curtis, 1832	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Triapitsyn and Berezovskiy 2001	
Genus *Neomymar* Crawford, 1913																			
Nearctic revision – Triapitsyn et al. 2006																			
N. vierecki Crawford, 1913	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	–	–	–	–	–		
Genus *Omyomymar* Schauff, 1983																			
New World revision – Schauff 1983																			
O. silvanum (Oglobin, 1935)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Schauff 1983	
Genus *Ooctonus* Haliday, 1833																			
Nearctic revision – Huber 2012																			
O. aphrophorae Milliron, 1947	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–		
O. boltei Huber, 2012	CAN	–	–	–	–	–	–	–	MB	–	–	NB	–	–	–	–	–		
O. canadensis Whittaker, 1931	CAN	*AK*	–	–	–	BC	–	–	–	**ON**	–	–	–	–	–	–	–	Huber 2012	
O. fuscipes Whittaker, 1931	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–		
O. hemipterus Haliday, 1833	CAN	AK	–	NT	–	BC	–	SK	MB	ON	QC	NB	PE	NS	–	–	–		
O. longipetiolus Huber, 2012	CAN	–	–	–	–	–	–	–	–	ON	QC	–	PE	–	–	–	–		
O. notatus Walker, 1846	CAN	*AK*	–	–	–	BC	AB	–	–	ON	QC	NB	PE	NS	–	NF	–	Triapitsyn 2010	

O. occidentalis Whittaker, 1931	CAN	*AK*	–	–	–	BC	–	–	–	–	QC	–	–	–	–	–	–	Huber 2012
O. quadricarinatus Girault, 1916	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	PE	NS	–	–	–	
O. readae Huber, 2012	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. silvensis Girault, 1916	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
O. triapitsyni Huber, 2012	CAN	AK	–	–	–	–	AB	SK	–	ON	QC	–	–	–	–	–	–	
O. vulgatus Haliday, 1833	CAN	–	–	–	–	BC	AB	–	–	ON	–	–	–	*NS*	–	–	–	Huber 2012
Genus *Polynema* Haliday, 1833																		
P. bimaculatipenne Girault, 1911	**CAN**	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
P. florum Girault, 1929	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Girault 1929
P. longipes (Ashmead, 1887)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
P. nativum Girault, 1929	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Girault 1929
P. needhami Ashmead, 1900	**CAN**	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
P. pratensiphagum Walley, 1929	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
P. reginum Girault, 1912	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Girault 1912b
P. striaticorne Girault, 1911	CAN	–	–	–	–	*BC*	–	–	–	**ON**	*QC*	–	–	NS	–	–	–	Girault 1912b; Paradis 1969
Genus *Ptilomymar* Annecke & Doutt, 1961																		
P. magnificum Yoshimoto, 1990	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Stephanodes* Enock, 1909																		
World review and key – Huber and Fildago 1997																		
S. septentrionalis Huber, 1997	CAN	–	–	–	–	BC	*AB*	–	–	ON	QC	NB	–	NS	–	–	–	Huber and Fildago 1997
S. similis (Förster, 1847)	CAN	–	YT	–	–	**BC**	AB	–	**MB**	–	QC	–	–	–	–	–	–	
Genus *Stethynium* Enock, 1909																		
Nearctic key – Huber 1987																		
S. triclavatum Enock, 1909	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
FAMILY ORMYRIDAE																		
Nearctic generic key – Hanson 1997; Nearctic catalogue – Burks 1979h																		
Genus *Ormyrus* Westwood, 1832																		
O. acylus Hanson, 1992	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. labotus Walker, 1843	CAN	–	–	–	–	–	**AB**	–	**MB**	ON	QC	–	–	**NS**	–	–	–	
O. reticulatus Hanson, 1992	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
O. rosae Ashmead, 1885	CAN	–	–	**NT**	–	**BC**	**AB**	–	**MB**	ON	**QC**	**NB**	–	**NS**	–	–	–	
O. tenuis Hanson, 1992	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
O. turio Hanson, 1992	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
O. unimaculatipennis Girault, 1916	**CAN**	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
O. vacciniicola Ashmead, 1887	CAN	–	–	–	–	–	–	–	–	ON	**QC**	**NB**	–	*NS*	–	–	–	Hayman et al. 2003
O. venustus Hanson, 1992	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
FAMILY PERILAMPIDAE																		
Nearctic generic key – Darling 1997; Nearctic catalogue – Burks 1979h																		
SUBFAMILY CHRYSOLAMPINAE																		
New World revision – Darling 1986																		
Genus *Chrysolampus* Spinola, 1811																		
C. schwarzi Crawford, 1914	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
C. sisymbrii (Ashmead, 1896)	**CAN**	–	**YT**	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
SUBFAMILY PERILAMPINAE																		
World generic key – Bouček 1978																		
Genus *Euperilampus* Walker, 1871																		
New World review – Darling 1983																		
E. triangularis (Say, 1829)	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
Genus *Perilampus* Latreille, 1809																		
World synopsis and keys – Argaman 1990, 1991; generic concepts – Darling 1996; Nearctic revision – Smulyan 1937																		
P. anomocerus Crawford, 1914	**CAN**	–	–	–	–	–	**AB**	**SK**	–	**ON**	**QC**	–	**PE**	–	–	–	–	
P. canadensis Crawford, 1914	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Burks 1979h
P. carolinensis Smulyan, 1936	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	ROM
P. chrysopae Crawford, 1914	CAN	–	**YT**	–	–	**BC**	**AB**	**SK**	**MB**	ON	QC	**NB**	–	**NS**	–	–	–	
P. fulvicornis Ashmead, 1886	CAN	–	–	–	–	BC	**AB**	**SK**	–	ON	QC	**NB**	–	**NS**	–	–	–	
P. gahani Smulyan, 1936	**CAN**	–	–	–	–	**BC**	**AB**	**SK**	–	–	–	–	–	–	–	–	–	
P. hyalinus Say, 1829	CAN	–	–	–	–	BC	**AB**	SK	MB	ON	QC	**NB**	**PE**	NS	–	–	–	
P. muesebecki Smulyan, 1936	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	**NS**	–	–	–	
P. platigaster Say, 1836	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Provancher 1883
P. prothoracicus Smulyan, 1936	CAN	–	–	–	–	**BC**	**AB**	**SK**	–	ON	**QC**	**NB**	**PE**	–	–	–	–	
P. robertsoni Crawford, 1914	CAN	–	–	–	–	–	–	**SK**	–	*ON*	–	–	–	–	–	–	–	Burks 1979h
P. rohweri Smulyan, 1936	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Raizenne 1952

P. similis Crawford, 1914	*CAN*	–	–	–	–	–	*AB*	–	*MB*	–	–	–	–	–	–	–	–	Burks 1979h
P. stygicus Provancher, 1888	CAN	–	–	–	–	–	–	**SK**	–	**ON**	QC	**NB**	–	**NS**	–	–	–	
P. subcarinatus Crawford, 1914	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
P. tristis Mayr, 1905	CAN	–	–	–	–	**BC**	–	–	–	ON	**QC**	–	**PE**	–	–	–	–	
Genus *Steffanolampus* Peck, 1974																		
S. salicetum (Steffan, 1952)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
FAMILY PTEROMALIDAE																		
Nearctic generic key – Bouček and Heydon 1997; new Nearctic genera – Bouček 1993; Northwest Europe review and keys – Graham 1969; Nearctic catalogue – Burks 1979h; review of world genera of Trigonoderini and revision of Nearctic species – Heydon 1997																		
SUBFAMILY ASAPHESINAE																		
= Asaphinae (see Burks and Heraty 2020)																		
Genus *Asaphes* Walker, 1834																		
Nearctic revision and world review – Gibson and Vikberg 1998; Nearctic catalogue – Burks 1979h																		
A. brevipetiolatus Gibson & Vikberg, 1998	CAN	*AK*	YT	–	–	*BC*	AB	–	MB	–	QC	NB	–	–	–	NF	–	Gibson and Vikberg 1998
A. californicus Girault, 1917	CAN	**AK**	YT	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
A. hirsutus Gibson & Vikberg, 1998	CAN	AK	YT	NT	–	BC	AB	SK	**MB**	–	QC	NB	PE	NS	LB	–	*GL*	Baur 2005
A. petiolatus (Zetterstedt, 1838)	**CAN**	–	–	**NT**	–	–	**AB**	**SK**	**MB**	–	**QC**	–	–	–	–	–	–	
A. suspensus (Nees, 1934)	CAN	**AK**	–	**NT**	–	BC	**AB**	**SK**	MB	ON	QC	NB	**PE**	**NS**	–	–	–	
A. vulgaris Walker, 1834	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	**PE**	**NS**	–	–	*GL*	Burks 1979h
Genus *Hyperimerus* Girault, 1917																		
H. corvus Girault, 1917	CAN	**AK**	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
H. pusillus (Walker, 1833)	CAN	–	**YT**	–	–	–	**AB**	–	–	**ON**	**QC**	NB	**PE**	NS	–	–	–	
SUBFAMILY CEINAE																		
Genus *Cea* Walker, 1837																		
C. pulicaris Walker, 1837	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	**PE**	–	–	–	–	ON-ROM
Genus *Spalangiopelta* Masi, 1922																		
World revision – Darling 1991																		
S. apotherisma Darling & Hanson, 1986	CAN	–	–	–	–	–	AB	–	–	ON	QC	–	–	NS	–	–	–	
S. canadensis Darling, 1991	CAN	–	–	–	–	BC	AB	–	–	ON	**QC**	–	–	*NS*	–	–	–	Darling 1991
S. ciliata Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	NS	–	–	–	
SUBFAMILY CEROCEPHALINAE																		
Genus *Cerocephala* Westwood, 1832																		
C. rufa (Walker, 1833)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Theocolax* Westwood, 1832																		
T. elegans (Westwood, 1874)	CAN	–	–	–	–	BC	–	–	–	–	*QC*	–	–	–	–	–	–	Burks 1979h
SUBFAMILY CLEONYMINAE																		
Phylogenetics and world generic revision – Gibson 2003																		
Genus *Chalcedectus* Walker, 1852																		
C. hyalinipennis (Ashmead, 1896)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Cleonymus* Latreille, 1809																		
C. magnificus (Ashmead, 1888)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Beaulne 1953
Genus *Epistenia* Westwood, 1832																		
E. coeruleata Westwood, 1832	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Heydenia* Förster, 1856																		
H. unica Cook & Davis, 1891	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
SUBFAMILY COLOTRECHNINAE																		
Genus *Colotrechnus* Thomson, 1878																		
C. ignotus Burks, 1958	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY DIPARINAE																		
Genus *Dipara* Walker, 1833																		
D. canadensis Hedqvist, 1969	CAN	–	–	–	–	–	–	–	**MB**	ON	**QC**	–	–	–	–	–	–	
D. trilineatus (Yoshimoto, 1977)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Lelaps* Walker, 1843																		
L. argenticoxa (Girault, 1916)	**CAN**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
L. beckeri Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
L. striatus Yoshimoto, 1977	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Netomocera* Bouček, 1954																		
N. nearctica Yoshimoto, 1977	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY EUNOTINAE																		
Genus *Eunotus* Walker, 1834																		
E. cretaceus Walker, 1834	**CAN**	–	–	–	–	–	–	–	–	–	–	–	–	**NS**	–	**NF**	–	
E. lividus Ashmead, 1892	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Burks 1979h

SUBFAMILY EUTRICHOSOMATINAE																		
Genus *Eutrichosoma* Ashmead, 1899																		
E. mirabile Ashmead, 1904	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	–	–	–	–	–	–	
Genus *Peckianus* Bouček, 1975																		
P. laevis (Provancher, 1887)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY MACROMESINAE																		
Genus *Macromesus* Walker, 1848																		
M. americanus Hedqvist, 1960	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
SUBFAMILY MISCOGASTERINAE																		
Genus *Ardilea* Graham, 1959																		
A. convexa (Walker, 1833)	CAN	AK	–	–	–	–	–	–	–	–	–	–	–	–	LB	–	GL	
Genus *Callimerismus* Graham, 1956																		
C. inusitatus Heydon, 1989	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Collentis* Heydon, 1992																		
C. suecicus (Graham, 1969)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Baur 2005
Genus *Glyphognathus* Graham, 1956																		
G. laevigatus (Delucchi, 1953)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Baur 2005
G. laevis (Delucchi, 1953)	CAN	AK	YT	–	–	–	AB	–	MB	–	–	–	–	–	–	–	–	
Genus *Halticoptera* Spinola, 1811																		
H. aenea (Walker, 1833)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Boyce 1939
H. brodiei Ashmead, 1887	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1887
H. circulus (Walker, 1833)	CAN	–	–	–	–	*BC*	–	–	–	ON	*QC*	–	–	–	–	–	–	Burks 1979h
H. goodi Crawford, 1915	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	*NS*	–	–	–	Burks 1979h; Crawford 1915
H. rosae Burks, 1955	*CAN*	*AK*	–	–	–	–	–	*SK*	–	*ON*	–	–	–	–	–	–	–	Burks 1979h
H. triannulata (Erdös, 1946)	CAN	–	–	–	–	–	–	SK	–	–	–	–	–	–	–	–	–	
Genus *Lamprotatus* Westwood, 1833																		
L. canadensis Girault, 1917	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Girault 1917
L. claviger Thomson, 1876	–	AK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
L. conicus Girault, 1917	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Girault 1917
L. pschorni Delucchi, 1953	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
L. truncatus (Fonscolombe, 1832)	–	AK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Genus *Mauleus* Graham, 1981																		
Nearctic review – Heydon 1995																		
M. venetus Heydon, 1995	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
Genus *Merismus* Walker, 1833																		
M. lasthenes (Walker, 1848)	CAN	AK	–	NT	–	–	–	–	–	–	–	–	–	–	–	–	–	
M. megapterus Walker, 1833	CAN	–	–	–	–	BC	AB	–	–	–	QC	NB	–	NS	–	NF	–	
M. splendens Graham, 1969	CAN	–	YT	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Genus *Miscogaster* Walker, 1833																		
M. elegans Walker, 1833	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
Genus *Rhicnocoelia* Graham, 1956																		
R. constans (Walker, 1836)	CAN	AK	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
Genus *Seladerma* Walker, 1834																		
S. diaeus (Walker, 1844)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Walker 1844
S. geniculatum (Zetterstedt, 1838)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Baur 2005
S. tarsale (Walker, 1833)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Peck 1963
S. vulgaris (Ashmead, 1902)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1902
Genus *Thinodytes* Graham, 1956																		
Nearctic review – Heydon 1995																		
T. caroticus Heydon, 1995	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Heydon 1995
T. cyzicopsis Heydon, 1995	CAN	–	–	–	–	–	*AB*	–	–	*ON*	*QC*	NB	–	*NS*	–	–	–	Heydon 1995
T. petiolatus Heydon, 1995	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
Genus *Tricyclomischus* Graham, 1956																		
T. algonquinus Heydon, 1992	CAN	AK	YT	NT	NU	–	–	–	MB	–	–	–	–	–	–	NF	–	
SUBFAMILY ORMOCERINAE																		
Genus *Hemadas* Crawford, 1909																		
H. nubilipennis (Ashmead, 1887)	CAN	–	–	–	–	–	–	SK	–	ON	QC	NB	–	NS	–	NF	–	
Genus *Melancistrus* Graham, 1969																		
M. diplosidis (Eckel, 1903)	CAN	–	–	–	–	BC	AB	SK	MB	ON	QC	–	–	–	–	–	–	
Genus *Semiotellus* Westwood, 1839																		
S. minimus Provancher, 1881	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
Genus *Systasis* Walker, 1834																		
S. encyrtoides Walker, 1834	CAN	*AK*	–	–	–	BC	AB	–	MB	–	–	–	–	–	–	–	–	Burks 1979h

SUBFAMILY PIRENINAE																		
Genus *Gastrancistrus* Westwood, 1833																		
G. americana (Ashmead, 1904)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
G. clavicornis (Girault, 1917)	*CAN*	–	–	–	–	–	–	*SK*	–	–	–	–	–	–	–	–	–	Girault 1920
G. oblongus (Provancher, 1881)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
Genus *Macroglenes* Westwood, 1832																		
M. penetrans (Kirby, 1800)	CAN	–	–	–	–	–	–	*SK*	*MB*	ON	–	–	–	–	–	–	–	Doane et al. 1989
Genus *Morodora* Gahan, 1933																		
M. armata Gahan, 1933	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Burks 1979h
SUBFAMILY PTEROMALINAE																		
Genus *Abomalus* Bouček, 1993																		
A. masoni Bouček, 1993	CAN	–	–	NT	–	–	–	–	–	–	–	–	–	–	–	–	–	
Genus *Acroclisoides* Girault & Dodd, 1915																		
A. solus Grissell & Smith, 2006	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Gariepy et al. 2014
Genus *Amphidocius* Dzhanokmen, 1974																		
A. schickae Heydon & Bouček, 1992	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Anisopteromalus* Ruschka, 1912																		
A. calandrae (Howard, 1881)	CAN	–	YT	–	–	BC	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Anogmus* Förster, 1856																		
A. laricis Bouček, 1966	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
A. piceae (Ruschka, 1921)	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
A. planus Bouček, 1993	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
A. strobilorum (Thomson, 1878)	CAN	–	–	–	–	BC	–	–	–	ON	–	NB	–	–	–	–	–	
Genus *Arachnopteromalus* Gordh, 1976																		
A. dasys Gordh, 1976	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Arthrolytus* Thomson, 1878																		
A. fasciatus (Provancher, 1881)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
A. oezbeki Doğanlar, 1978	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Brachycaudonia* Ashmead, 1904																		
B. californica Ashmead, 1904	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
B. cyaniceps Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Bubekia* Dalla Torre, 1897																		
B. lasiopterae (Ashmead, 1893)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Caenacis* Förster, 1856																		
C. cupraeus (Provancher, 1881)	CAN	–	–	–	–	–	AB	–	–	*ON*	*QC*	–	–	–	–	–	–	Treherne 1916; Provancher 1881
Genus *Callicarolynia* Heydon, 1989																		
C. eruga Heydon, 1989	CAN	–	–	–	–	–	AB	–	MB	ON	–	–	–	–	–	–	–	
Genus *Callitula* Spinola, 1811																		
C. bicolor Spinola, 1811	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. nigricornis (Provancher, 1881)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
Genus *Canada* Koçak & Kemal, 2008																		
C. gracilis (Bouček, 1993)	CAN	–	–	–	–	–	–	–	–	–	–	–	–	–	–	NF	–	
Genus *Capellia* Delucchi, 1958																		
C. rufiventris (Girault, 1920)	CAN	–	–	–	–	BC	–	–	MB	ON	QC	–	–	–	–	–	–	
Genus *Catolaccus* Thomson, 1878																		
C. aeneoviridis (Girault, 1911)	CAN	–	–	–	–	BC	AB	SK	*MB*	*ON*	*QC*	–	–	NS	–	–	–	MB-Prentice 1955; ON,QC-Burks 1979h
C. crassiceps (Masi, 1911)	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
C. cyanoideus Burks, 1954	CAN	–	–	–	–	–	AB	SK	MB	ON	–	–	–	–	–	–	–	
Genus *Cheiropachus* Westwood, 1829																		
C. obscuripes Brues, 1910	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Schedl 1932
C. quadrum (Fabricius, 1787)	CAN	–	–	–	–	BC	AB	–	–	ON	QC	–	–	–	–	–	–	
Genus *Chlorocytus* Graham, 1956																		
C. languriae (Ashmead, 1896)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Burks 1979h
C. rhodobaeni (Ashmead, 1896)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1958
Genus *Coelopisthia* Förster, 1856																		
C. fumosipennis Gahan 1909	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
C. suborbicularis (Provancher, 1881)	CAN	–	YT	–	–	–	–	–	–	–	*QC*	NB	–	–	–	–	–	Provancher 1881
Genus *Coruna* Walker, 1833																		
C. clavata Walker, 1833	CAN	AK	–	–	–	BC	AB	–	MB	ON	QC	NB	–	NS	–	–	–	

Genus *Cratomus* Dalman, 1820																		
C. leucophthalmus Ashmead, 1888	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1888
C. megacephalus (Fabricius, 1793)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	–	–	–	**NS**	–	–	–	
Genus *Cryptoprymna* Förster, 1856																		
Nearctic review and key – Heydon 1988a																		
C. atra (Walker, 1833)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	**QC**	**NB**	–	–	–	–	–	
Genus *Cyclogastrella* Bukovskii, 1938																		
C. simplex (Walker, 1834)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Cyrtogaster* Walker, 1833																		
C. britteni Askew, 1965	CAN	–	–	–	–	–	–	–	MB	ON	QC	–	–	–	–	–	–	
C. capitanea Heydon, 1989	CAN	–	–	**NT**	–	BC	–	–	–	**ON**	–	–	–	–	–	–	–	
C. reburra Heydon, 1989	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
C. trypherus (Walker, 1843)	CAN	–	YT	NT	–	BC	–	–	–	ON	QC	–	–	–	–	–	–	
C. vulgaris Walker, 1833	CAN	**AK**	**YT**	–	–	BC	**AB**	–	–	ON	**QC**	**NB**	–	**NS**	**LB**	**NF**	–	
Genus *Dibrachys* Förster, 1856																		
D. confusus (Girault, 1916)	CAN	–	**YT**	**NT**	–	BC	AB	SK	MB	ON	–	NB	–	–	–	–	–	
D. fuscicornis (Walker, 1836)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
D. hians Bouček, 1965	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
D. maculipennis Szelényi, 1957	CAN	–	–	–	–	–	*AB*	**SK**	–	–	–	–	–	–	–	–	–	Peck 1969
D. microgastri (Bouché, 1834)	CAN	*AK*	–	–	–	BC	AB	–	–	ON	QC	NB	**PE**	NS	–	*NF**	–	Burks 1979h
D. relativus Doğanlar, 1987	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
Genus *Diglochis* Förster, 1856																		
D. occidentalis (Ashmead, 1896)	CAN	**AK**	**YT**	**NT**	–	BC	AB	SK	MB	ON	**QC**	**NB**	–	**NS**	–	–	–	
Genus *Dimachus* Thomson, 1878																		
D. cingulum (Nees, 1834)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Dinarmus* Thomson, 1878																		
D. acutus (Thomson, 1878)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Rasplus 1989
D. basalis (Rondani, 1877)	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
Genus *Dinotiscus* Ghesquière, 1946																		
D. aponius (Walker, 1848)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	**QC**	–	–	**NS**	–	–	–	
D. colon (Linnaeus, 1758)	*CAN*	–	–	–	–	*BC*	–	–	–	*ON*	–	–	–	–	–	–	–	Essig 1926; Schedl 1932
D. dendroctoni (Ashmead, 1894)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	**QC**	–	–	–	–	–	–	
D. eupterus (Walker, 1836)	CAN	–	–	–	–	BC	–	–	–	**ON**	QC	NB	–	NS	–	–	–	
D. thomsoni (Crawford, 1912)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	**NF**	–	
Genus *Doganlaria* Koçak & Kemal, 2008																		
D. daphne (Girault, 1917)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Endomychobius* Ashmead, 1896																		
E. flavipes Ashmead, 1896	**CAN**	–	–	–	–	–	–	–	–	–	**QC**	–	–	–	–	–	–	
Genus *Epipteromalus* Ashmead, 1904																		
E. algonquinensis Ashmead, 1904	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Eulonchetron* Graham, 1966																		
E. torymoides (Thomson, 1878)	CAN	**AK**	–	**NT**	–	–	**AB**	–	–	*ON*	**QC**	–	–	–	–	–	–	Peck 1951
Genus *Eumacepolus* Graham, 1957																		
E. salicis Bouček, 1993	CAN	–	–	–	–	–	–	–	MB	ON	–	–	–	–	–	–	–	
Genus *Euneura* Walker, 1844																		
E. lachni (Ashmead, 1887)	CAN	–	–	**NT**	–	BC	**AB**	–	**MB**	**ON**	**QC**	NB	–	–	–	**NF**	–	
E. sopolis (Walker, 1844)	**CAN**	**AK**	–	–	–	**BC**	–	**SK**	**MB**	**ON**	**QC**	**NB**	–	–	–	–	–	
Genus *Eurydinoteloides* Girault, 1913																		
E. incerta (Ashmead, 1893)	CAN	–	–	–	–	–	AB	SK	–	ON	–	–	–	–	–	–	–	
E. perdubia (Girault, 1916)	CAN	–	–	–	–	–	AB	SK	–	ON	QC	–	–	–	–	–	–	
Genus *Gastracanthus* Westwood, 1933																		
G. conicus (Girault, 1917)	CAN	**AK**	–	–	–	BC	–	–	**MB**	ON	QC	–	–	**NS**	–	–	–	
Genus *Gbelcia* Bouček, 1961																		
G. cordilurae Bouček, 1993	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Bouček 1993
Genus *Grissellium* Bouček, 1993																		
G. hirtulum Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Bouček 1993
Genus *Guolina* Heydon, 1994																		
G. psenophaga Heydon, 1994	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Heydon 1994
Genus *Gyrinophagus* Ruschka, 1914																		
G. aper (Walker, 1839)	CAN	–	–	–	–	–	–	**SK**	–	ON	**QC**	**NB**	–	–	–	–	–	
Genus *Habritys* Thomson, 1878																		
H. brevicornis (Ratzeburg, 1844)	CAN	–	–	**NT**	–	BC	–	–	–	ON	QC	–	–	–	–	–	–	
H. latrus Wallace, 1954	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Burks 1979h
Genus *Hemitrichus* Thomson, 1878																		
H. seniculus (Nees, 1834)	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	–	–	–	–	–	–	Burks 1979h

Genus *Hlavka* Bouček, 1993																		
H. gibsoni Bouček, 1993	–	**AK**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Genus *Homoporus* Thomson, 1878																		
H. atriscapus (Gahan, 1927)	**CAN**	–	–	–	–	–	**AB**	**SK**	**MB**	–	–	–	–	–	–	–	–	
H. destructor (Say, 1817)	CAN	–	–	–	–	**BC**	–	–	*MB*	ON	*QC*	–	PE	–	–	–	–	Burks 1979h
H. febriculosus (Girault, 1917)	CAN	**AK**	**YT**	**NT**	–	**BC**	**AB**	SK	**MB**	**ON**	QC	–	PE	**NS**	–	–	–	
H. isosomatis (Ashmead, 1904)	**CAN**	–	–	–	–	–	**AB**	**SK**	–	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
H. nypsius (Walker, 1839)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	PE	**NS**	–	–	–	
Genus *Huberina* Bouček, 1993																		
H. betuleti Bouček, 1993	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
Genus *Hypopteromalus* Ashmead, 1900																		
H. inimicus Muesebeck, 1927	CAN	–	–	–	–	–	–	–	**MB**	ON	QC	*NB*	–	**NS**	–	–	–	Reeks and Smith 1956
H. percussor Girault, 1917	CAN	–	–	–	–	BC	–	–	–	**ON**	–	–	–	–	–	–	–	
H. tabacum (Fitch, 1864)	CAN	–	–	–	–	–	–	–	–	ON	QC	*NB*	**PE**	–	–	–	–	Wood and Neilson 1957
Genus *Jaliscoa* Bouček, 1993																		
Revision – Gibson 2013																		
J. hunteri (Crawford, 1908)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Janssoniella* Kerrich, 1957																		
J. caudata Kerrich, 1957	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
J. intermedia Hedqvist, 1968	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Hedqvist 1968
J. iskophila Heydon, 1997	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Heydon 1997
Genus *Kaleva* Graham, 1957																		
K. microps Bouček, 1993	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Kukua* Bouček, 1993																		
K. clypeata Bouček, 1993	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Lariophagus* Crawford, 1909																		
L. distinguendus (Förster, 1841)	CAN	–	–	–	–	BC	–	–	**MB**	ON	**QC**	–	–	**NS**	–	–	–	
L. dryorhizoxeni (Ashmead, 1886)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Mazinawa* Bouček, 1993																		
M. laticoxa Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Meraporus* Walker, 1834																		
M. graminicola Walker, 1834	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Mesopolobus* Westwood, 1833																		
M. aequus (Walker, 1834)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
M. bruchophagi (Gahan, 1917)	CAN	–	–	–	–	*BC*	AB	**SK**	**MB**	ON	–	–	–	–	–	–	–	Burks 1979h
M. confusus (Ashmead, 1902)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ashmead 1902
M. diffinis (Walker, 1834)	**CAN**	–	**YT**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
M. finlaysoni Doğanlar, 1979	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. gemellus Baur & Muller, 2007	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
M. longicaudae Doğanlar, 1979	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
M. moryoides Gibson, 2005	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	–	–	–	–	–	–	
M. nobilis (Walker, 1834)	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
M. subfumatus (Ratzeburg, 1852)	CAN	–	–	–	–	–	–	–	–	ON	*QC*	*NB*	–	*NS*	–	–	–	Peck 1963
M. tortricis (Brues, 1910)	CAN	–	–	–	–	**BC**	–	–	**MB**	ON	QC	**NB**	–	–	–	–	–	
M. verditer (Norton, 1869)	CAN	*AK*	–	–	–	BC	**AB**	**SK**	MB	ON	QC	NB	–	**NS**	–	–	–	Torgersen 1969
Genus *Metacolus* Förster, 1856																		
M. fasciatus Girault, 1917	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Metastenus* Walker, 1834																		
M. townsendi (Ashmead, 1904)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Muscidifurax* Girault & Sanders, 1910																		
M. raptor Girault & Sanders, 1910	CAN	–	–	–	–	–	AB	–	–	ON	–	NB	PE	–	–	–	–	
M. raptorellus Kogan & Legner, 1970	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
M. zaraptor Kogan & Legner, 1970	CAN	–	–	–	–	–	AB	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Nasonia* Ashmead, 1904																		
Biosystematics – Darling and Werren 1990																		
N. giraulti Darling, 1990	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Savard 1995
N. longicornis Darling, 1990	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
N. vitripennis (Walker, 1836)	CAN	–	**YT**	**NT**	–	BC	AB	–	MB	ON	QC	–	–	–	–	–	–	
Genus *Norbanus* Walker, 1843																		
N. scabriculus (Nees, 1834)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Baird 1941
Genus *Notoglyptus* Masi, 1917																		
World review – Heydon 1988b																		
N. luteicrus Heydon, 1988	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	

N. scutellaris (Dodd & Girault, 1915)	CAN	–	–	–	–	–	–	–	**MB**	*ON*	–	–	–	–	–	–	–	Heydon 1989
Genus *Ogloblinisca* Hedqvist, 1968																		
O. americana Hedqvist, 1968	CAN	–	–	–	–	**BC**	–	–	–	ON	–	**NB**	–	–	–	–	–	
Genus *Ottawita* Bouček, 1993																		
O. masneri Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Oxysychus* Delucchi, 1956																		
O. acanthocini (Ashmead, 1887)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Beaulne 1953
O. facialis (Provancher, 1887)	CAN	–	–	–	–	–	–	**SK**	–	ON	QC	–	–	–	–	–	–	
Genus *Pachycrepoideus* Ashmead, 1904																		
P. vindemmiae (Rondani, 1875)	CAN	–	–	–	–	BC	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Pachyneuron* Walker, 1833																		
P. albutius Walker, 1843	CAN	–	**YT**	**NT**	**NU**	BC	**AB**	**SK**	**MB**	**ON**	**QC**	–	–	–	–	–	–	
P. altiscuta Howard, 1884	CAN	–	–	–	–	–	**AB**	**SK**	**MB**	ON	**QC**	*NB*	–	–	–	–	–	Brown and Clark 1956
P. aphidis (Bouché, 1834)	CAN	–	–	–	–	**BC**	AB	**SK**	*MB*	**ON**	**QC**	NB	–	–	–	–	–	Wylie and Bisdee 1987
P. californicum Girault, 1917	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
P. eros Girault, 1917	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Proverbs 1957
P. formosum Walker, 1833	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
P. groenlandicum (Holmgren, 1872)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Baur 2005
P. validum Waterston, 1923	*CAN*	–	–	–	–		–	–	–	–	–	–	–	–	–	–	–	Thompson 1958
Genus *Panstenon* Walker, 1839																		
P. poaphilum Heydon, 1992	*CAN*	–	–	–	–	–	*AB*	–	*MB*	–	–	–	–	–	–	–	–	Heydon and Bouček 1992
Genus *Paracarotomus* Ashmead, 1894																		
P. cephalotes Ashmead, 1894	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Peridesmia* Förster, 1856																		
P. discus (Walker, 1835)	**CAN**	–	–	–	–	–	–	–	–	–	–	**NB**	–	–	–	–	–	
Genus *Perniphora* Ruschka, 1923																		
P. americana Miller, 1965	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	–	–	–	–	
P. robusta Ruschka, 1923	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
Genus *Platygerrhus* Thomson, 1878																		
P. algonquinius (Girault, 1917)	CAN	–	–	–	–	–	–	**SK**	–	**ON**	*QC*	–	–	–	–	–	–	Burks 1979h
P. americanus Hedqvist, 1968	CAN	*AK*	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	Burks 1979h
P. columbianus (Ashmead, 1896)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Plutothrix* Förster, 1856																		
P. acuminata (Thomson, 1878)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
P. ascita Heydon, 1997	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
P. ceonotalis Heydon, 1997	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
P. glareosa Heydon, 1997	CAN	–	–	–	–	–	–	SK	–	ON	QC	–	–	–	–	–	–	
P. pilosiclava Heydon, 1997	CAN	–	YT	–	–	–	–	–	MB	ON	QC	–	–	–	–	–	–	
P. smithi Heydon, 1997	CAN	–	–	NT	–	–	–	–	–	ON	QC	NB	–	–	–	–	–	
P. ungutta (Girault, 1917)	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	–	–	–	–	
P. unguttella Heydon, 1997	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	–	–	–	–	–	Heydon 1997
Genus *Polstonia* Heydon, 1988																		
P. pelagocorypha Heydon, 1988	CAN	–	–	–	–	–	AB	SK	–	–	QC	*NB*	–	–	–	–	–	Heydon 1988
P. quadriplana Heydon, 1988	CAN	–	–	–	**NU**	BC	–	–	–	ON	QC	NB	–	NS	–	–	–	
Genus *Psilocera* Walker, 1843																		
P. rufipes (Ashmead, 1896)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Psilonotus* Walker, 1834																		
P. achaeus Walker, 1848	CAN	–	–	–	–	–	**AB**	–	–	ON	–	–	–	–	–	–	–	
Genus *Psychophagus* Mayr, 1904																		
P. omnivorus (Walker, 1835)	CAN	–	–	–	–	–	–	–	–	ON	QC	**NB**	–	**NS**	–	–	–	
Genus *Pteromalus* Swederus, 1795																		
P. acutiventris (Peck, 1951)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
P. anthonomi (Ashmead, 1893)	CAN	–	–	–	–	**BC**	**AB**	**SK**	–	ON	–	–	–	–	–	–	–	
P. apum (Retzius, 1783)	CAN	–	–	–	–	–	*AB*	–	*MB*	ON	–	–	–	–	–	–	–	Hobbs 1968; Jay and Mohr 1987
P. bedeguaris (Thomson, 1878)	CAN	–	–	–	–	*BC*	**AB**	**SK**	**MB**	ON	–	–	–	–	–	–	–	Cockerell 1926
P. brittanicus (Girault, 1926)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Girault 1926
P. cassotis Walker, 1847	**CAN**	–	–	–	–	**BC**	–	**SK**	**MB**	**ON**	**QC**	**NB**	–	–	–	–	–	
P. cerealellae (Ashmead, 1902)	CAN	*AK*	–	–	–	–	–	–	–	–	*QC*	NB	–	–	–	–	–	Burks 1979h
P. coeruleiventris (Ashmead, 1888)	**CAN**	–	–	–	–	–	**AB**	–	**MB**	**ON**	–	–	–	**NS**	–	–	–	
P. cyniphidis (Linnaeus, 1758)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Viereck 1923

P. egregius Förster, 1841	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1958
P. elevatus (Walker, 1834)	CAN	–	–	–	–	–	–	–	–	–	–	NB	–	NS	–	NF	–	
P. eurymi Gahan, 1913	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
P. fuscipes (Provancher, 1881)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
P. gallicolus Doğanlar, 1980	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
P. grisselli Gibson 2013	CAN	–	YT	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
P. melanicrus (Provancher, 1881)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1881
P. microps (Graham, 1969)	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
P. onerati Fitch, 1859	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Burks 1979h
P. phycidis (Ashmead, 1898)	CAN	–	–	–	–	BC	–	**SK**	–	ON	QC	NB	**PE**	**NS**	–	–	–	
P. platyphilus Walker, 1874	**CAN**	–	**YT**	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
P. puparum (Linnaeus, 1758)	CAN	–	–	–	–	BC	**AB**	**SK**	**MB**	ON	*QC*	**NB**	–	NS	–	NF	–	Beaulne 1940
P. rosae (Girault, 1917)	CAN	–	–	–	–	*BC*	AB	–	–	–	–	–	–	–	–	–	–	Peck 1951
P. semotus (Walker, 1834)	**CAN**	–	–	–	–	–	–	**SK**	–	–	–	–	–	–	–	–	–	
P. sequester Walker, 1835	CAN	–	–	–	–	–	AB	**SK**	MB	ON	–	–	–	–	–	–	–	
P. thyridopterigis Howard, 1897	CAN	–	–	–	–	*BC*	–	–	–	ON	–	–	–	–	–	–	–	Waddell 1952
P. venustus Statz, 1938	CAN	–	–	–	–	–	AB	**SK**	**MB**	**ON**	–	–	–	–	–	–	–	
Genus *Rhaphitelus* Walker, 1934																		
R. maculatus Walker, 1934	CAN	–	–	–	–	**BC**	AB	**SK**	**MB**	**ON**	QC	–	–	**NS**	–	–	–	
Genus *Rhopalicus* Förster, 1856																		
R. pallipes Provancher, 1888	CAN	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	**NF**	–	Provancher 1888
R. pulchripennis (Crawford, 1912)	CAN	–	–	–	–	BC	–	–	**MB**	ON	QC	**NB**	–	–	–	**NF**	–	
R. tutela (Walker, 1836)	CAN	–	–	–	–	**BC**	–	–	–	*ON*	QC	**NB**	–	–	–	*NF*	–	Bright 1996, Langor and Raske 1988
Genus *Roptrocerus* Ratzeburg, 1848																		
R. brevicornis Thomson, 1878	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	–	–	–	–	–	–	–	
R. xylophagorum (Ratzeburg, 1844)	CAN	**AK**	–	**NT**	–	BC	**AB**	–	**MB**	*ON*	QC	**NB**	–	**NS**	–	*NF*	–	Bright 1996, Langor and Raske 1988
Genus *Sceptrothelys* Graham, 1956																		
S. deione (Walker, 1839)	CAN	–	–	–	–	BC	–	**SK**	–	**ON**	QC	–	**PE**	**NS**	–	–	–	
S. grandiclava (Walker, 1835)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
S. parviclava Graham, 1969	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	**NS**	–	–	–	
Genus *Schizonotus* Ratzeburg, 1852																		
S. latus (Walker, 1835)	**CAN**	–	–	–	–	–	**AB**	–	–	**ON**	**QC**	–	–	–	–	–	–	
S. rotundiventris (Girault, 1917)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Thompson 1958
S. sieboldi (Ratzeburg, 1848)	**CAN**	–	–	–	–	–	–	**SK**	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Sisyridivora* Gahan, 1951																		
S. cavigena Gahan, 1951	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
Genus *Spaniopus* Walker, 1833																		
S. dissimilis Walker, 1833	CAN	–	–	–	–	–	–	–	–	*ON*	–	–	–	**NS**	–	–	–	Gahan 1933
Genus *Sphegigaster* Spinola, 1811																		
S. aurata (Ashmead, 1904)	CAN	–	–	–	–	–	AB	SK	MB	ON	–	NB	–	–	–	–	–	
S. conchyliatus Heydon, 1988	CAN	–	–	–	–	–	AB	SK	–	–	–	–	–	–	–	–	–	
S. cracentis Heydon & LaBerge, 1988	CAN	–	–	*NT*	–	–	–	–	–	ON	QC	–	–	NS	–	–	–	Heydon and LaBerge 1988
S. euryepomis Heydon & LaBerge, 1988	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
S. grisselli Heydon, 1992	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
S. pallicornis (Spinola, 1808)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	McLeod 1954
S. salicinus Heydon & LaBerge, 1988	CAN	–	–	**NT**	–	–	AB	–	–	ON	QC	–	–	–	–	–	–	
Genus *Stenetra* Masi, 1931																		
S. miyazakii Tselikh & Burks, 2020	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
Genus *Stenomalina* Ghesquière, 1946																		
S. gracilis (Walker, 1934)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
Genus *Stinoplus* Thomson, 1878																		
S. etearchus (Walker, 1848)	**CAN**	–	–	–	–	–	**AB**	**SK**	–	**ON**	–	–	–	–	–	–	–	
Genus *Syntomopus* Walker, 1833																		
S. americanus Ashmead, 1895	**CAN**	–	**YT**	–	–	–	**AB**	–	**MB**	**ON**	**QC**	**NB**	–	**NS**	–	–	–	
Genus *Systellogaster* Gahan, 1917																		
S. ovivora Gahan, 1917	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Burks 1979h
Genus *Tomicobia* Ashmead, 1899																		
T. tibialis Ashmead, 1904	**CAN**	–	–	–	–	**BC**	**AB**	**SK**	–	–	**QC**	–	–	–	–	–	–	

Genus *Toxeuma* Walker, 1833																		
T. aciculare Heydon, 1988	CAN	–	–	–	–	**BC**	–	–	–	ON	QC	NB	–	–	–	–	–	
T. aquilonium Heydon, 1988	CAN	*AK*	–	–	–	BC	*AB*	SK	–	ON	QC	–	–	–	–	–	–	Heydon and Grissell 1988
T. gerra Heydon, 1988	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
T. inopinum Heydon, 1988	CAN	–	–	–	–	BC	AB	–	–	–	–	–	–	–	–	–	–	
Genus *Toxeumelloides* Girault, 1913																		
T. cavigena Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Trichomalopsis* Crawford, 1913																		
T. americana (Gahan, 1933)	CAN	–	–	–	–	–	AB	SK	MB	–	–	NB	PE	NS	–	–	–	
T. dubia (Ashmead, 1896)	CAN	–	**YT**	–	–	BC	AB	SK	MB	ON	QC	–	–	–	–	–	–	
T. fucicola (Walker, 1835)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*GL*	Baur 2005
T. hemiptera (Walker, 1835)	CAN	–	–	–	–	*BC*	–	–	–	**ON**	–	*NB*	–	*NS*	–	–	–	BC-McLeod 1951; NB,NS-Reeks and Smith 1956
T. peregrina (Graham, 1969)	CAN	–	–	–	–	BC	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Burks 1979h
T. sarcophagae (Gahan, 1914)	CAN	–	–	–	–	–	AB	SK	MB	–	–	–	–	–	–	–	–	
T. subapterus (Riley, 1885)	CAN	–	–	–	–	–	–	–	–	ON	**QC**	**NB**	*PE*	–	–	–	–	Fletcher 1890
T. tachinae (Gahan, 1917)	CAN	–	–	–	–	–	–	–	–	*ON*	QC	–	–	–	–	–	–	Gibson and Floate 2001
T. viridascens (Walsh, 1861)	CAN	–	–	–	–	*BC*	*AB*	–	*MB*	ON	*QC*	**NB**	–	**NS**	–	–	–	Gibson and Floate 2001
Genus *Trichomalus* Thomson, 1878																		
T. lucidus (Walker, 1835)	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	–	–	–	–	–	–	
T. perfectus (Walker, 1835)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Trimeromicrus* Gahan, 1914																		
T. maculatus Gahan, 1914	CAN	–	–	–	–	BC	AB	SK	–	ON	QC	–	–	–	–	–	–	
Genus *Tritneptis* Girault, 1908																		
T. affinis (Nees, 1834)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Graham 1969
T. diprionis Gahan, 1938	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
T. hemerocampae Girault, 1908	CAN	–	–	–	–	BC	–	–	–	**ON**	QC	*NB*	*PE*	*NS*	–	–	–	Burks 1979h
T. klugii (Ratzeburg, 1844)	CAN	*AK*	–	–	–	BC	–	*SK*	*MB*	ON	QC	*NB*	–	*NS*	–	–	–	AK-Richmond et al. 1995; SK-Baird 1949; MB-Baird 1948; NB,NS-Peck 1963
T. scutellata (Muesebeck, 1927)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Urolepis* Walker, 1846																		
World review – Gibson 2000																		
U. maritima (Walker, 1834)	CAN	*AK*	–	–	–	–	AB	–	–	–	QC	–	–	–	–	–	–	Gibson 2000
U. rufipes (Ashmead, 1896)	CAN	–	–	–	–	BC	AB	–	MB	ON	–	NB	*PE*	–	–	–	–	Noronha et al. 2007
Genus *Vrestovia* Bouček, 1961																		
V. brevior Bouček, 1993	CAN	–	–	–	–	BC	AB	**SK**	–	ON	QC	**NB**	–	–	–	–	–	
Genus *Xiphydriophagus* Ferrière, 1952																		
X. meyerinckii (Ratzeburg, 1848)	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
Genus *Zdenekiana* Huggert, 1976																		
Z. squama Huggert, 1979	CAN	–	–	–	–	–	–	–	–	–	QC	–	–	–	–	–	–	
SUBFAMILY SPALANGIINAE																		
New World revision – Gibson 2009																		
Genus *Spalangia* Latreille, 1805																		
S. alyxia Gibson, 2009	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
S. cameroni Perkins, 1910	CAN	–	–	–	–	–	AB	–	–	ON	–	*NB*	PE	–	–	–	–	Gibson 2009
S. drosophilae Ashmead, 1887	CAN	–	–	–	–	*BC*	AB	–	MB	ON	QC	–	–	NS	–	–	–	Burks 1979h
S. endius Walker, 1839	CAN	–	–	–	–	–	AB	–	–	ON	**QC**	–	–	–	–	–	–	
S. erythromera Förster, 1850	CAN	AK	–	–	–	BC	AB	SK	MB	ON	QC	NB	PE	–	–	–	–	
S. gemina Bouček, 1963	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
S. haematobiae Ashmead, 1894	CAN	–	–	–	–	BC	AB	–	–	ON	QC	NB	PE	–	–	–	–	
S. nigra Latreille, 1805	CAN	–	–	–	–	BC	AB	–	–	ON	QC	NB	–	–	–	–	–	
S. nigroaenea Curtis, 1839	CAN	–	–	–	–	*BC*	*AB*	–	–	ON	–	*NB*	–	–	–	–	–	BC,NB-Burks 1979h; AB-Gibson 2009
S. nigroides Gibson, 2009	CAN	–	–	–	–	–	–	–	–	ON	QC	–	–	–	–	–	–	
S. subpunctata Förster, 1850	CAN	–	–	–	–	–	AB	–	–	ON	*QC*	*NB*	PE	–	–	–	–	Gibson 2009

SUBFAMILY UNDETERMINED																		
Genus *Erixestus* Crawford, 1910																		
E. winnemana Crawford, 1910	CAN	–	–	–	–	–	–	**SK**	MB	**ON**	QC	–	–	–	–	–	–	
FAMILY SIGNIPHORIDAE																		
Nearctic generic keys – Woolley 1988, 1990, 1997b; Nearctic catalogue – Gordh 1979b																		
Genus *Signiphora* Ashmead, 1880																		
Key to species groups – Woolley 1988, *S. flavopalliata* species group – Woolley and Dal Molin 2017																		
S. pulchra Girault, 1913	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
FAMILY TETRACAMPIDAE																		
Nearctic key to genera – Bouček 1993; Nearctic generic key – Bouček 1997b; World catalogue – Bouček 1958																		
SUBFAMILY PLATYNOCHEILINAE																		
Genus *Platynocheilus* Westwood, 1837																		
Holarctic key – Bouček 1993																		
P. aeneus Bouček, 1993	CAN	–	–	–	–	–	AB	–	–	ON	–	–	–	–	–	–	–	
SUBFAMILY TETRACAMPINAE																		
Genus *Dipriocampe* Bouček, 1957																		
World key – Ferrière 1935																		
D. diprioni (Ferrière, 1935)	CAN	–	–	–	–	–	–	–	–	**ON**	*QC*	*NB*	–	–	–	–	–	Baird 1938
Genus *Epiclerus* Haliday, 1844																		
New World revision – Yoshimoto 1978																		
E. acutus Bouček, 1993	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
E. nearcticus Yoshimoto, 1978	CAN	–	–	–	–	–	–	–	–	ON	**QC**	–	–	–	–	–	–	
FAMILY TORYMIDAE																		
Nearctic generic key – Grissell 1997; Nearctic catalogue – Grissell 1979; world catalogue and key to bee parasitoids – Grissell 2007; family group reclassification – Janšta et al. 2018																		
SUBFAMILY GLYPHOMERINAE																		
Genus *Glyphomerus* Förster, 1856																		
G. stigma (Fabricius, 1793)	CAN	**AK**	**YT**	**NT**	–	**BC**	AB	**SK**	**MB**	ON	*QC*	–	–	–	–	–	–	Provancher 1881
SUBFAMILY MICRODONTOMERINAE																		
Genus *Eridontomerus* Crawford, 1907																		
E. biroi Ruschka, 1923	*CAN*	–	–	–	–	–	*AB*	–	–	*ON*	–	–	–	–	–	–	–	Janšta et al. 2018
Genus *Idiomacromerus* Crawford, 1914																		
I. perplexus (Gahan, 1914)	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Richards and Hanna 1982
I. terebrator (Masi, 1916)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
Genus *Microdontomerus* Crawford, 1907																		
M. anthonomi (Crawford, 1907)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	
SUBFAMILY MONODONTOMERINAE																		
Genus *Monodontomerus* Westwood, 1833																		
New World revision – Grissell 2000; World revision – Gahan 1941																		
M. aeneus (Fonscolombe, 1832)	CAN	–	–	–	–	**BC**	–	–	–	ON	–	–	–		–	–	–	
M. aereus Walker, 1834	CAN	–	–	–	–	–	–	–	–	–	–	–	–	NS	–	–	–	
M. bakeri Gahan, 1941	CAN	–	–	–	–	BC	*AB*	–	–	–	–	–	–	–	–	–	–	Grissell 1995
M. dentipes (Dalman, 1820)	CAN	–	–	–	–	–	–	–	*MB*	ON	QC	*NB*	–	–	–	–	–	Baird 1941; Baird 1938
M. mandibularis Gahan, 1941	CAN	–	–	–	–	–	–	SK	–	–	QC	–	–	–	–	–	–	
M. menticle Grissell, 2000	**CAN**	–	–	–	–	–	**AB**	–	–	–	–	–	–	–	–	–	–	
M. minor (Ratzeburg, 1848)	CAN	–	–	–	–	*BC*	–	–	–	ON	–	**NB**	–	–	–	–	–	Coppel 1951
M. montivagus Ashmead, 1890	CAN	–	–	–	–	BC	AB	SK	MB	ON	QC	–	–	–	–	–	–	
M. obscurus Westwood, 1833	CAN	–	–	–	–	–	*AB*	–	–	ON	–	–	–	–	–	–	–	Hobbs 1968
M. osmiae Kamijo, 1963	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
M. parkeri Grissell, 2000	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	
M. torchioi Grissell, 2000	**CAN**	–	–	–	–	**BC**	–	–	–	–	**QC**	–	–	–	–	–	–	
M. viridiscapus Gahan, 1941	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Grissell 2000
Genus *Zaglyptonotus* Crawford, 1914																		
Z. mississippiensis Breland, 1938	*CAN*	–	–	–	–	–	*AB*	*SK*	–	–	–	–	–	–	–	–	–	Sharkey et al. 1987
Genus *Zdenekius* Grissell, 1993																		
Nearctic revision – Grissell (1993)																		
Z. smithi Grissell, 1993	CAN	–	–	–	–	–	–	–	–	ON	QC	*NB*	–	–	–	–	–	Grissell 1993
SUBFAMILY TORYMINAE																		
Genus *Diomorus* Walker, 1834																		
D. viridis (Provancher, 1887)	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Provancher 1887
Genus *Pseudotorymus* Masi, 1921																		
P. lazulellus (Ashmead, 1890)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	QC	NB	**PE**	**NS**	–	**NF**	–	

Genus *Torymus* Dalman, 1820

Holarctic partial key – Grissell et al. 2004; updated key to *T. fullaway* species group – Grissell 1992; western Nearctic revision – Grissell 1976; Nearctic review – Huber 1927

T. advenus (Osten-Sacken, 1870)	**CAN**	–	–	–	–	–	–	–	–	**ON**	**QC**	–	–	–	–	–	–	
T. aereus (Huber, 1927)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. alaskensis (Huber, 1927)	–	*AK*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Huber 1927
T. bedeguaris (Linnaeus, 1758)	CAN	–	**YT**	**NT**	–	BC	AB	–	**MB**	ON	QC	**NB**	–	**NS**	–	–	–	
T. bicoloratus (Huber, 1927)	**CAN**	–	–	–	–	**BC**	–	–	–	–	–	–	–	–	–	–	–	
T. biorhizae (Ashmead, 1887)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1887
T. brodiei (Ashmead, 1887)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Ashmead 1887
T. bruesi (Huber, 1927)	**CAN**	–	–	–	–	**BC**	–	–	**MB**	**ON**	–	**NB**	–	–	–	–	–	
T. capillaceus (Huber, 1927)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. capitis (Huber, 1927)	CAN	–	–	–	–	–	–	–	–	**ON**	QC	–	–	–	–	–	–	
T. cecidomyae (Walker, 1844)	CAN	–	–	–	–	–	AB	–	–	ON	*QC*	–	–	–	–	–	–	Grissell 1979
T. chrysochlorus (Osten-Sacken, 1870)	CAN	–	–	–	–	**BC**	AB	SK	**MB**	**ON**	–	–	–	**NS**	–	–	–	
T. citripes (Huber, 1927)	CAN	–	–	–	–	*BC*	–	–	–	**ON**	–	–	–	–	–	–	–	Santiago-Blay 1989
T. coccineus (Huber, 1927)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. duplicatus (Huber, 1927)	CAN	–	–	–	–	**BC**	–	–	–	**ON**	*QC*	–	–	–	–	–	–	Beaulne 1949
T. elegantissimus (Ashmead, 1881)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Walker 1913
T. fagopirum (Provancher, 1881)	CAN	–	–	–	–	**BC**	**AB**	–	–	ON	*QC*	**NB**	**PE**	–	–	–	–	Provancher 1881
T. festivus Hobbs, 1950	CAN	*AK*	–	*NT*	–	–	–	–	**MB**	–	–	–	–	–	–	–	–	Grissell 1976
T. flavicoxa (Osten-Sacken, 1870)	CAN	–	–	–	–	*BC*	**AB**	**SK**	**MB**	ON	QC	–	–	–	–	–	–	Grissell 1976
T. fulvus (Huber, 1927)	**CAN**	–	–	–	–	–	–	–	**MB**	**ON**	**QC**	–	–	–	–	–	–	
T. helianthi (Brodie, 1894)	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Brodie 1894
T. hircinus Ashmead, 1894	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. longior Brodie, 1894	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Brodie 1894
T. longistigmus (Huber, 1927)	CAN	–	–	–	–	**BC**	**AB**	**SK**	**MB**	ON	**QC**	–	–	–	–	–	–	
T. magnificus (Osten-Sacken, 1870)	**CAN**	–	–	–	–	**BC**	–	–	–	**ON**	–	–	–	–	–	–	–	
T. missouriensis (Huber, 1927)	**CAN**	–	–	–	–	**BC**	–	**SK**	–	**ON**	**QC**	–	–	–	–	–	–	
T. nitidulus (Walker, 1833)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. pseudotsugae Hobbs, 2004	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Grissell et al. 2004
T. rudbeckiae Ashmead, 1890	CAN	–	–	–	–	–	–	–	**MB**	*ON*	–	–	–	–	–	–	–	Peck 1963
T. scalaris (Huber, 1927)	**CAN**	–	–	–	–	–	–	–	–	**ON**	–	–	–	–	–	–	–	
T. solitarius (Osten-Sacken, 1870)	CAN	–	–	–	–	**BC**	AB	–	–	ON	–	–	–	–	–	–	–	
T. splendens (Provancher, 1887)	CAN	–	–	–	–	*BC*	–	**SK**	*MB*	ON	–	–	–	–	–	–	–	Huber 1927; Janšta et al. 2018
T. splendidulus Dalla Torre, 1898	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Walker 1844
T. thalassinus (Crosby, 1908)	**CAN**	–	–	–	–	**BC**	**AB**	–	–	–	**QC**	–	–	–	–	–	–	
T. thompsoni Fyles, 1904	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Fyles 1904
T. tubicola (Osten-Sacken, 1870)	CAN	–	**YT**	–	–	BC	**AB**	–	**MB**	**ON**	QC	–	–	–	–	–	–	
T. varians (Walker, 1833)	CAN	–	–	–	–	BC	**AB**	–	MB	ON	QC	*NB*	–	*NS*	–	–	–	Peck 1963
T. zabriskii (Cresson, 1878)	CAN	–	–	–	–	BC	–	–	–	–	–	–	–	–	–	–	–	

FAMILY TRICHOGRAMMATIDAE

New World generic review – Pinto 2006; Nearctic generic key – Pinto 1997; Nearctic catalogue – Burks 1979i

SUBFAMILY OLIGOSITINAE

Genus *Aphelinoidea* Girault, 1911

Review of Palaearctic species including *A. neomexicana* Girault, 1915 – Triapitsyn 2018

A. neomexicana (Girault, 1915)	*CAN*	–	*YT*	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Triapitsyn 2018

Genus *Doirania* Waterston, 1928

World review and key – Pinto 2004

D. elegans Pinto, 2004	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Pinto 2004

Genus *Ittys* Girault, 1911

I. ceresarum (Ashmead, 1888)	*CAN*	–	–	–	–	–	–	–	–	–	–	–	–	*NS*	–	–	–	Brittain 1917

Genus *Lathromeroidea* Girault, 1912

L. gerriphaga Pinto, 2006	CAN	–	–	–	–	–	AB	–	–	–	–	–	–	–	–	–	–	

Genus *Ufens* Girault, 1911

World revision – Owen 2011

U. niger (Ashmead, 1888)	*CAN*	–	–	–	–	–	*AB*	–	*MB*	–	–	–	–	–	–	–	–	Owen 2011
U. simplipenis Owen, 2011	*CAN*	–	–	*NT*	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Owen 2011

SUBFAMILY TRICHOGRAMMATINAE																		
Genus *Hydrophylita* Ghesquière, 1946																		
Key to species – Querino and Pinto 2007																		
H. aquivolans (Matheson & Crosby, 1912)	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
Genus *Pintoa* Viggiani, 1988																		
P. nearctica Viggiani, 1988	*CAN*	–	–	–	–	–	–	–	–	*ON*	*QC*	–	–	–	–	–	–	Viggiani 1988; Pinto 2006
Genus *Soikiella* Novicki, 1934																		
World key – Velten and Pinto 1990																		
S. occidentalis Velten & Pinto, 1990	CAN	–	–	–	–	BC	*AB*	–	–	–	–	–	–	–	–	–	–	Pinto 2006
Genus *Trichogramma* Westwood, 1833																		
Nearctic revision and key – Pinto 1999																		
T. acutovirilia Pinto, 1999	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Pinto 1999
T. alpha Pinto, 1999	*CAN*	–	–	–	–	–	–	–	*MB*	*ON*	*QC*	–	*PE*	–	–	–	–	Pinto 1999
T. arcanum Pinto, 1999	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
T. aurosum Sugonjaev & Sorokina, 1976	*CAN*	*AK*	–	–	–	*BC*	*AB*	–	–	*ON*	*QC*	–	–	–	–	–	–	Pinto 1999
T. ballmeri Pinto, 1999	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. brassicae Bezdenko, 1968	CAN	–	–	–	–	–	*AB*	–	–	–	**QC**	–	–	–	–	–	–	Yu and Byers 1994
T. canadense Pinto, 1999	CAN	–	–	–	–	–	–	–	–	ON	*QC*	–	–	–	–	–	–	Pinto 1999
T. deion Pinto & Oatman, 1986	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. evanescens Westwood, 1833	CAN	–	–	–	–	**BC**	–	–	–	–	*QC*	–	–	–	–	–	–	Fournier and Boivin 2000
T. exiguum Pinto & Platner, 1978	*CAN*	–	–	–	–	–	–	–	–	–	*QC*	–	–	–	–	–	–	Pinto 1999
T. fasciatum (Perkins, 1912)	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. inyoense Pinto & Oatman, 1985	CAN	*AK*	–	–	–	–	–	SK	–	*ON*	*QC*	*NB*	–	–	–	–	–	Pinto 1999
T. japonicum Ashmead, 1904	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Pinto 1999
T. julianoi Platner & Oatman, 1981	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Pinto 1999
T. marylandense Thorpe, 1982	*CAN*	–	–	–	–	–	–	–	–	*ON*	–	–	–	–	–	–	–	Pinto 1999
T. minutum Riley, 1871	CAN	*AK*	–	–	–	BC	–	–	*MB*	ON	QC	NB	–	NS	–	–	–	Torgersen 1970; Pinto 1999
T. nemesis Pinto, 1999	*CAN*	–	–	–	–	–	–	–	*MB*	–	*QC*	–	–	–	–	–	–	Pinto 1999
T. nomlaki Pinto & Oatman, 1985	*CAN*	–	–	–	–	–	*AB*	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. parkeri Nagarkatti, 1975	*CAN*	–	–	–	–	*BC*	–	–	–	*ON*	–	*NB*	–	–	–	–	–	Pinto 1999
T. pintoi Voegele, 1982	*CAN*	–	*YT*	*NT*	–	*BC*	*AB*	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. platneri Nagarkatti, 1975	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Pinto 1999
T. pretiosum Riley, 1879	CAN	–	–	–	–	*BC*	–	–	–	ON	*QC*	–	–	*NS*	–	–	–	Pinto 1999; Fournier and Boivin 2000; Neil and Specht 1990
T. retorridum (Girault, 1911)	CAN	–	–	–	–	*BC*	–	–	*MB*	*ON*	–	–	–	–	–	–	–	Pinto 1999
T. semblidis (Aurivillius, 1898)	CAN	*AK*	–	–	–	**BC**	**AB**	–	*MB*	ON	–	–	–	–	–	–	–	Pinto 1999
T. sibiricum Sorokina, 1980	*CAN*	–	–	–	–	*BC*	–	–	–	–	–	–	–	–	–	–	–	Pinto 1999
Genus *Trichogrammatomyia* Girault, 1916																		
T. tortricis Girault, 1916	CAN	–	–	–	–	–	–	–	–	*ON*	**QC**	*NB*	–	–	–	–	–	Girault 1916, Peck 1951
SUPERFAMILY MYMAROMMATOIDEA																		
FAMILY MYMAROMMATIDAE																		
World generic key – Gibson et al. 2007																		
Genus *Mymaromella* Girault, 1931																		
World species key – Huber et al. 2008																		
M. pala Huber & Gibson, 2008	CAN	–	–	–	–	–	–	–	–	ON	–	–	–	–	–	–	–	
M. palella Huber & Gibson, 2008	CAN	–	–	–	–	–	–	–	–	ON	QC	NB	–	–	–	–	–	

Based on sequencing of the DNA barcode region of cytochrome oxidase I (*COI*) and using the Barcode Index Number (BIN) criterion of Ratnasingham and Hebert (2013) that 2% sequence divergence is indicative of species differences, Bennett et al. (2019) estimated that there are 3301 species of Chalcidoidea from Canada in the Barcode of Life Data System (BOLD) database (Ratnasingham

Figures 2–7. 2 *Aphelinus* sp. (Aphelinidae), Clear Creek, ON **3** *Conura* sp. (Chalcididae), near St. Williams, ON **4** *Anusia nasicornis* (Encyrtidae), near Marmora, ON. This is the most recent record of an Old World genus and species in the New World, identified by J. Noyes in October, 2019 **5** *Eulophus* sp. (Eulophidae), Fergus, ON **6** *Eupelmus messene* (Eupelmidae) drinking from a water droplet, Forks of the Credit Provincial Park, ON. Until recently, misidentified as the common, polyphagous species *E. vesicularis*; the latter now recorded only from the Old World **7** *Eurytoma gigantea* (Eurytomidae), Fergus, ON. Photos courtesy of S. Marshall.

and Hebert 2007). This represents 2.7 times the number of recorded named species of Chalcidoidea in Canada. These BINs have not yet been reconciled against the names in the checklist so the percent congruence is unknown, but it illus-

Figures 8–13. 8 *Sycophila* sp. (Eurytomidae), near Elora, ON **9** *Leucospis affinis* (Leucospidae) sipping nectar, Ojibway Prairie, ON **10** *Lymaenon* sp. (Mymaridae) drinking from a water droplet, Fergus, ON **11** *Perilampus hyalinus* (Perilampidae), Cedar Creek, ON **12** unidentified genus (Pteromalidae), Belwood, ON **13** *Idiomacromerus* sp. (Torymidae), Ojibway Prairie, ON. Photos courtesy of S. Marshall.

trates that there are many unrecorded species. The comparison of *COI* sequences from unidentified specimens against those of named species in such databases as BOLD will certainly help to reveal yet more species to add to the checklist, e.g., *Anastatus reduvii* (Howard) (Eupelmidae), a recent, accidentally introduced parasi-

toid of the major pest *Halyomorpha halys* Stål (Hemiptera: Pentatomidae) (Gariepy and Talamas 2019).

Compared to Canada, the number of species of Chalcidoidea recorded from Alaska and Greenland is far lower (113 species in 58 genera in 10 families from Alaska and 26 described species in 22 genera in 4 families from Greenland) (Tables 1, 2). The summary of the entomofauna of Greenland (Böcher et al. 2015) included records from six chalcidoid families, but specimens of Aphelinidae and Trichogrammatidae were only identified to genus, and so are not included in our checklist. Relative to Canada, the smaller land masses and more northerly latitudes of Alaska and Greenland definitely contribute to lower species richness, but it is also probable that the numbers are lower than expected because of relatively poor sampling in Alaska and Greenland (as well as in the three Canadian territories, NT, NU and YT). In addition, one species of Chalcidoidea, *Pteromalus elevatus* (Walker, 1834) (Pteromalidae) has been recorded from the French Overseas Collectivity of Saint Pierre and Miquelon Islands (Gargominy et al. 2020). This record is derived from an online database and specimens have not been examined, but this species has been recorded previously from NB, NS and NL (Hoebeke and Wheeler 1996).

Two species of Mymarommatoidea are recorded, one known only from Ontario, and one from Ontario, Quebec and New Brunswick (see bottom of Table 2). The latter species (*Mymaromella pala* Huber and Gibson) has also been collected from Montana, USA (Hatten et al. 2011), so it is likely that future collecting in central and western Canada will reveal its presence there as well. This further illustrates the work still needed to obtain reliable records of the species and their distributions in Canada and the rest of North America.

In terms of species richness by distributional area, the political region with the highest recorded number of species of Chalcidoidea is Ontario (852, 68.4% of 1246 species), followed by Quebec (566, 45.4%) and British Columbia (440, 35.3%) (Fig. 1 and Table 1). The greater relative species richness in these areas is certainly strongly influenced by higher sampling effort compared to more northern or central regions (Langor 2019). Despite this bias, higher species diversity is expected in these three provinces relative to most other regions because of the higher number of ecozones and habitats, compared to more northern areas (Scudder 1979).

In total, 235 new species records of Chalcidoidea are reported for Canada, which represents 19.4% of the total number of described species recorded. The number of new Canadian species records by family is shown in Table 1 (in parentheses following the Canada totals). The checklist includes 53 new generic records for Canada (those for which the only Canadian records are shown in boldface in Table 2). All families in our checklist were previously recorded from Canada, although some, like Azotidae (see Heraty et al. 2013) and Megastigmidae (see Janšta et al. 2018), were not recognized as families in previous catalogues (e.g., chapters in Krombein et al. 1979), whereas some other previously recognized families have been subsumed within others, e.g., Elasmidae is now classified as part of Eulophidae (Gauthier et al. 2000). For Alaska, there were 41 new species records (36.3% of the total), 22 new generic records and the families Chalcididae and Eurytomidae are also newly recorded. There were no new records for Greenland.

The distributions given by province and territory for Canada, the state of Alaska for USA, and Greenland must be accepted with caution. Records taken from the literature, particularly pre-1980 records, could be based on misidentifications because of the difficulty in identifying all taxa reliably to species when fewer workable species keys existed. Although Yoshimoto (1984) provided a key to the families and some subfamilies of Chalcidoidea from Canada, a comprehensive key to the genera of the Nearctic region did not exist prior to 1997 (Gibson et al. 1997). The superfamily is so diverse and speciose, even in the relatively cold, mid-to-high latitude region encompassed by our checklist, that the relatively few authorities available, in the past or now, simply could not correctly identify every specimen encountered. In preparing our checklist, there was no time or sufficient expertise for exhaustive study of all specimens from various localities in Canada and comparison with previously identified CNC specimens, which may or may not have been authoritatively and correctly identified in the first place. As often occurs, cataloguing efforts greatly outpace production of taxonomic revisions, including comparative descriptions and comprehensive identification keys to genera or species. Yet, once published, past identifications are the basis of the names and distributions presented in our checklist and had to be included even if some are wrong. Nevertheless, this checklist is our best summary of the current state of knowledge. It provides baseline data for future studies on the taxonomy, natural history and distribution of chalcidoids and will be useful to more applied fields such as the biological control of insect pests.

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